Current Fishery Statistics No. 9400

Fisheries of the United States, 1994

August 1995

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service

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Fisheries Statistics Division

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Silver Spring, MD
August 1995

U.S. DEPARTMENT OF COMMERCE
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PREFACE

FISHERIES OF THE UNITED STATES, 1994

This publication is a preliminary report for 1994 on commercial and recreational fisheries of the United States with catches in both the U.S. and foreign Exclusive Economic Zones (EEZ). This annual report provides timely answers to frequently asked questions.

SOURCES OF DATA

Information in this report came from many sources. Field offices of the National Marine Fisheries Service (NMFS), in cooperation with various States, collected and compiled data on U.S. commercial landings and processed fishery products. The NMFS Fisheries Statistics Division in Silver Spring, MD, managed the collection and compilation of recreational statistics, and tabulated and prepared all data for publication. Sources of other data appearing in this publication are: U.S. Bureau of the Census, U.S. Bureau of Labor Statistics, U.S. Coast Guard, U.S. Customs Service, U.S. Department of the Interior, and U.S. Department of Agriculture, Food and Agriculture Organization (FAO) of the United Nations.

PRELIMINARY AND FINAL DATA

Data on U.S. commercial and recreational landings, employment, prices, and production of processed products are preliminary for 1994. Final data will be published in other NMFS Current Fishery Statistics publications.

The Fisheries Statistics Division of NMFS takes this opportunity to thank members of states, industry, and foreign nations who provided the data that made this publication possible.

Program leaders of the field offices were: Gregory Power (Acting), New England, Middle Atlantic, and Chesapeake; Tony Frank, Great Lakes Fisheries Commission, Great Lakes States; Kenneth Harris, Guy Davenport, and Margot Hightower for the South Atlantic and Gulf States; Patricia J. Donley, California and Hawaii; John K. Bishop, Oregon and Washington; and Patsy Bearden, Alaska.

DEFINITIONS - (See Glossary)

As in past issues of this publication, the units of quantity and value are defined as follows: U.S. landings are shown in round weight (except mollusks which are in meat weight), unless otherwise noted; quantities shown for U.S. imports and exports are in product weight, as reported by the U.S. Bureau of the Census, unless otherwise noted; the value of the U.S. domestic commercial catch is exvessel (in the Review Section on important species actual and deflated exvessel prices are shown. The deflated value was computed using the Gross Domestic Products Implicit Price Deflator); the value for U.S. imports is generally the market value in the foreign (exporting) country and, therefore, excludes U.S. import duties, freight charges from the foreign country to the United States, and insurance; the value for exports is generally the value at the U.S. port of export, based on the selling price, including inland freight, insurance, and other charges. Countries and territories shown in the U.S. foreign trade section are established for statistical purposes in the Tariff Schedules of the United States Annotated (International Trade Commission) and reported by the U.S. Bureau of the Census.

SUGGESTIONS

The Fisheries Statistics Division wishes to provide the kinds of data sought by users of fishery statistics, and welcomes any comments or suggestions that will improve this publication.

Address all comments or questions to:

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REVIEW

MAJOR CHANGES. Significant changes occurred in 1994 in the commercial fisheries data collection system employed in the area from Maine through Virginia that make comparisons between years problematic. New reporting and record keeping programs were initiated by NMFS to satisfy the requirements of Fishery Management Plans and amendments developed by the New England and Mid-Atlantic Fishery Management Councils. These program changes required fishermen to record and mail in logbooks on harvest and effort data on a trip by trip basis. The data collection and subsequent processing of data was affected by several start up and funding problems. Simultaneously, the historical NMFS port agent-dealer weighout system was undergoing reorganization and was adversely impacted by the unanticipated retirement of several statistical area supervisors.

Consequently, the time series of U.S. catch by species and distance from shore is not included in this year's "Fisheries of the U.S." since these data were unavailable for the New England, Middle Atlantic and Chesapeake Regions. In addition, apparent changes in landings between 1994 and previous years for these regions may be partially or entirely due to changes in the reporting system rather than actual fisheries changes. For example, 1994 data for the Potomac River, several Massachusetts inshore fisheries, and scattered ports throughout the Northeast were not available.

U.S. LANDINGS. Commercial landings (edible and industrial) by U.S. fishermen at ports in the 50 states were 10.5 billion pounds or 4.7 million metric tons valued at a record $3.8 billion in 1994--a decrease of 5.5 million pounds (down less than 1 percent), but an increase of $374.9 million (up 11 percent) compared with 1993. The 1994 landings showed an increase in major species such as Pacific hake, Atlantic mackerel, salmon, tuna, American lobster, and squid when compared with 1993. The 1994 average exvessel price per pound paid to fishermen was 37 cents compared to the 33 cents they received in 1993. Finfish accounted for 87 percent of total landings, but only 52 percent of the total value.

Commercial landings by U.S. fishermen at ports outside the 50 states or transferred to internal water processing vessels (IWPs) were an additional 543.7 million pounds (246,600 metric tons) valued at $332.0 million. This was a 14 percent, or 66.9 million pounds (30,300 metric ton) increase in quantity and a $137.6 million (71 percent) increase in value compared with 1993. Most of these landings consisted of tuna and reef fishes landed in Puerto Rico, American Samoa and other foreign ports and IWP transfers of sea herring, and miscellaneous species.

Edible fish and shellfish landings in the 50 states were 7.9 billion pounds (3.6 million metric tons) in 1994--a decrease of 278 million pounds (126,100 metric tons) compared with 1993.

Landings for reduction and other industrial purposes were 2.5 billion pounds (1.1 million metric tons) in 1994--an increase of 12 percent compared with 1993.

The 1994 U.S. marine recreational finfish catch (including fish caught and released alive) on the Atlantic, Gulf, and Pacific coasts was an estimated 361.9 million fish taken on an estimated 66.1 million fishing trips. The harvest (fish kept) was estimated at 173.2 million fish weighing 199.0 million pounds.

WORLD LANDINGS. In 1993, the most recent year for which data are available, world commercial fishery landings were 101.4 million metric tons--an increase of 2.6 million metric tons (up 3 percent) compared with 1992.

China was the leading nation with 17.3 percent of the total catch; Peru, second with 8.3 percent; Japan, third with 8.0 percent; Chile, fourth with 6.0 percent; United States, fifth with 5.9 percent; and Russia, sixth with 4.4 percent.

PRICES. Exvessel price indices increased for 23 of the 32 species groups being tracked, and decreased for the remaining 9 species groups. The chum salmon price index had the largest decrease (39 percent) while the snow crab price index had the largest increase (85 percent). The 1994 annual exvessel price index for edible fish and shellfish increased 26 percent from 1993. The annual index for industrial fish increased 20 percent.

REVIEW

PROCESSED PRODUCTS. The estimated value of the 1994 domestic production of edible and nonedible fishery products was $7.8 billion, $632.9 million (7 percent) less than the $8.5 billion in 1993. The value of edible products was $7.3 billion--a decrease of $667.7 million (8 percent) compared with 1993. The value of industrial products was $573.3 million in 1994--an increase of $34.8 million (6 percent) compared with 1993.

FOREIGN TRADE. The total import value of edible and nonedible fishery products was $12.0 billion in 1994--an increase of $1.4 billion (13 percent) compared with 1993. Imports of edible fishery products (product weight) were 3.0 billion pounds (1.4 million metric tons) valued at $6.6 billion in 1994--an increase of 117.7 million pounds (4 percent), and $796.4 million (14 percent) compared with 1993. Imports of nonedible (i.e., industrial) products were $5.3 billion--an increase of $568.1 million (12 percent) compared with 1993.

Total export value of edible and nonedible fishery products was $7.4 billion in 1994--an increase of $456.1 million (7 percent) compared with 1993. United States firms exported 2.0 billion pounds (897,400 metric tons) of edible products valued at $3.1 billion--a decrease of 7.5 million pounds (3,400 metric tons) but increased $49.3 million compared with 1993. Exports of nonedible products were valued at a record $4.3 billion, $406.8 million more than 1993.

SUPPLY. The U.S. supply of edible fishery products (domestic landings plus imports, round weight equivalent) was 13.7 billion pounds (6.2 million metric tons) in 1994--a decrease of 107.0 million pounds (1 percent) compared with 1993. The change in edible reflects a decrease of 3 percent in domestic commercial landings. The supply of industrial fishery products was 5.6 billion pounds (2.5 million metric tons) in 1994--a decrease of 918.0 million pounds (14 percent) compared with 1993. The change in industrial reflects a decrease of 1.2 billion pounds (28 percent) in imports.

PER CAPITA CONSUMPTION. U.S. consumption of fishery products was 15.2 pounds of edible meat per person in 1994, up 0.2 pound from the 1993 per capita consumption of 15.0 pounds.

CONSUMER EXPENDITURES. U.S. consumers spent an estimated $39.4 billion for fishery products in 1994. The 1994 total includes $26.4 billion in expenditures at food service establishments (restaurants, carry-outs, caterers, etc.); $12.5 billion in retail sales for home consumption; and $487.4 million for industrial fish products. By producing and marketing a variety of fishery products for domestic and foreign markets, the commercial marine fishing industry contributed $20.2 billion (in value added) to the U.S. Gross National Product.

REVIEW

OTHER IMPORTANT FACTS

Alaska pollock, with landings of 3.1 billion pounds (1.4 million metric tons), was the most important species in quantity and fourth in value for 1994, accounting for 30 percent of the commercial fishery landings in the United States.

Menhaden was the second most important species in quantity, and seventh in value.

Salmon were third in quantity and third in value.

Pacific hake were fourth in quantity, but low in value.

Cods were fifth in quantity, and sixth in value.

Crabs were sixth in quantity and second in value.

Shrimp were first in value and seventh in quantity.

Lobsters were low in quantity, but fifth in value.

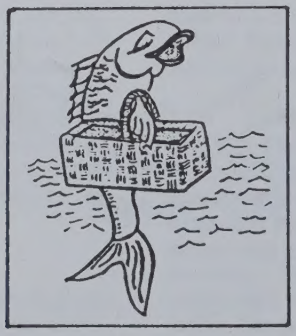
Tuna landings by U.S.-flag vessels at ports outside the continental United States amounted to 487.9 million pounds. Amberjacks, groupers, halibut, sea herring, snappers, and miscellaneous species also were landed at ports outside the United States or transferred to internal water processing vessels in U.S. waters.

Dutch Harbor-Unalaska, Alaska, was the leading U.S. port in quantity of commercial fishery landings, followed by: Empire-Venice, Louisiana; Cameron, Louisiana; Kodiak, Alaska; and Intercoastal City, Louisiana.

Dutch Harbor-Unalaska was also the leading U.S. port in terms of value, followed by: Kodiak, Alaska; New Bedford, Massachusetts; Brownsville-Port Isabel, Texas; and Naknek-South Naknek, Alaska.

Alaska led all states in volume with landings of 5.4 billion pounds, followed by Louisiana, 1.7 billion; Virginia, 580.9 million; Washington, 527.8 million; and California, 343.4 million pounds.

Alaska led all states in value of landings with $1.4 billion, followed by Louisiana, $336.3 million; Maine, $243.4 million; Florida, $239.0 million; and Texas $206.7 million.

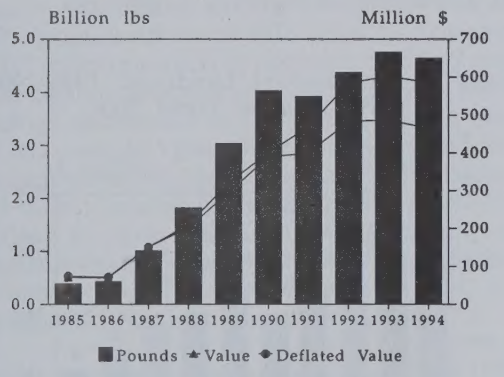


REVIEW

IMPORTANT SPECIES

ALASKA POLLOCK AND OTHER PACIFIC TRAWL FISH. U.S. landings of Pacific trawl fish (Pacific cod, flounders, hake, Pacific ocean perch, Alaska pollock, and rockfishes) were 4.6 billion pounds valued at $586.0 million--an increase of 2 percent in quantity and a 2 percent decrease in value compared with 1993.

Trend in Commercial Landings, 1985-1994
Alaska Pollock, Other Pacific Trawl Fish



Landings of Alaska pollock decreased 4 percent to 3.1 billion pounds but were 8 percent higher than the 1989-1993 5-year average. Landings of Pacific cod were 460.3 million pounds -- a decrease of 5 percent from 482.8 million pounds in 1993. Pacific hake (whiting) landings were 557.2 million pounds (up 80 percent) valued at $16.7 million (also up 80 percent from 1993). Landings of rockfishes were 91.7 million pounds (24 percent less than 1993) valued at $44.1 million. The 1994 rockfish landings were 25 percent lower than the 5-year average.

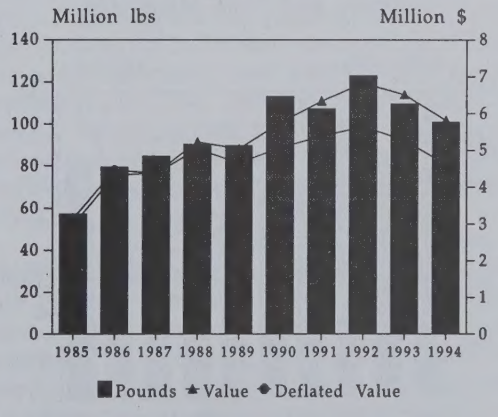
ANCHOVIES. U.S. landings of anchovies were 8.3 million pounds--a decrease of 1.5 million pounds (15 percent) compared with 1993. Ninety-five percent of all landings were used for bait.

HALIBUT. U.S. landings of Atlantic and Pacific halibut were 57.9 million pounds (round weight) valued at $84.9 million--a decrease of 5.2 million pounds (8 percent), but an increase of $22.5 million (36 percent) compared with 1993. The Pacific fishery accounted for all but 48,000 pounds of the 1994 total halibut catch. The average exvessel price per pound in 1994 was $1.47 compared with 99 cents in 1993.

HERRING, SEA. U.S. commercial landings of sea herring were 213.8 million pounds valued at $31.4 million--a decrease of 2.4 million pounds (1 percent) and an increase of $6.2 million (25 percent) compared with 1993. Landings of Atlantic sea herring were 101.0 million pounds valued at $5.8 million--a decrease of 8.6 million pounds (8 percent) and $695,000 (11 percent) compared with 1993.

Landings of Pacific sea herring were 112.8 million pounds valued at $25.6 million--an increase of 6.3 million pounds (6 percent) and $6.9 million (37 percent) compared with 1993. Alaska landings accounted for 93 percent of the Pacific coast total with 105.1 million pounds valued at $21.6 million--an increase of 8.6 million pounds (9 percent) and $7.5 million (53 percent) compared with 1993.

Trend in Commercial Landings, 1985-1994
Atlantic Sea Herring



JACK MACKEREL. Total landings were 6.4 million pounds valued at $366,000--an increase of 2.5 million pounds (63 percent), and $134,000 (58 percent) compared with 1993. California accounted for 93 percent and Oregon for 7 percent of the U.S. landings of jack mackerel in 1994. The 1994 average exvessel price per pound stayed constant at 6 cents.

REVIEW

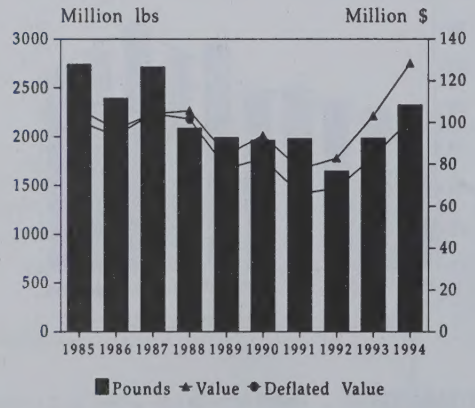
IMPORTANT SPECIES

MACKEREL, ATLANTIC. U.S. landings of Atlantic mackerel were 19.8 million pounds valued at $2.7 million--an increase of 9.4 million pounds (91 percent) and $1.4 million (105 percent) compared with 1993. Rhode Island with 12.2 million pounds and New Jersey with 6.0 million pounds had a total of 92 percent of the total landings. The average exvessel price per pound in 1994 stayed constant, at 13 cents.

MACKEREL, CHUB. Landings of chub mackerel were 22.1 million pounds valued at $1.3 million--a decrease of 1.9 million pounds (8 percent) and $76,000 (6 percent) compared with 1994. The average exvessel price per pound stayed at 10 cents.

MENHADEN. The U.S. menhaden landings were 2.3 billion pounds valued at $128.4 million--an increase of 340.2 million pounds (17 percent) and $25.1 million (24 percent) compared with 1993. Landings decreased by 135.2 million pounds (18 percent) in the Atlantic states and increased 475.4 million pounds (39 percent) in the Gulf states compared with 1993. Landings along the Atlantic coast were 631.6 million pounds valued at $39.9 million.

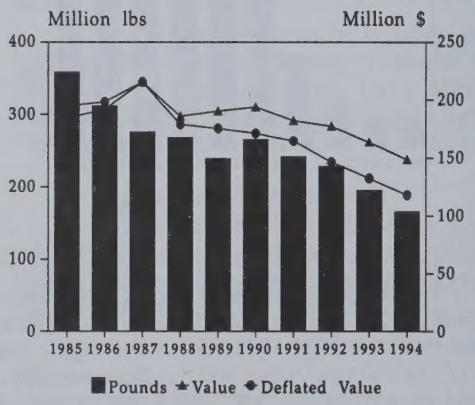
Trend in Commercial Landings, 1985-1994
Atlantic and Gulf Menhaden



Gulf region landings were 1.7 billion pounds valued at$88.5 million. Menhaden are used primarily for the production of meal, oil, and solubles. Small quantities are used for bait and animal food.

NORTH ATLANTIC TRAWL FISH. Landings of butterfish, Atlantic cod, cusk, flounders (blackback, fluke, yellowtail and other), haddock, red and white hake, ocean perch, pollock and whiting (silver hake) in the North Atlantic (combination of New England, Middle Atlantic, and Chesapeake Regions) were 153.0 million pounds valued at $131.8 million--a decrease of 39.6 million pounds (21 percent) and $24.1 million (104 percent) compared with 1993. Of these species, flounder led in total value in the North Atlantic accounting for 46 percent of the total; followed by cod, 27 percent; and whiting, 10 percent.

Trend in Commercial Landings, 1985-1994
North Atlantic Trawl Fish



The 1994 landings of Atlantic cod were 38.7 million pounds valued at $36.2 million--a decrease of 11.9 million pounds (23 percent) and $8.8 million (20 percent) compared with 1993. The exvessel price per pound was 94 cents in 1994 compared with 89 cents per pound in 1993.

Landings of yellowtail flounder were 6.8 million pounds--a decrease of 1.1 million pounds (14 percent) from 1993, and about 42 percent of its 5-year average.

Haddock landings decreased to 724,000 pounds (63 percent) and $1.0 million (61 percent) compared to 1993. This is the lowest quantity of landings reported since recordkeeping began in 1879.

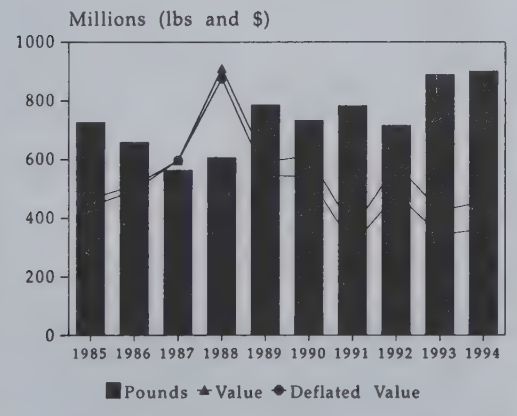
REVIEW

IMPORTANT SPECIES

North Atlantic pollock landings were 8.2 million pounds valued at $6.7 million--a decrease of 4.3 million pounds (34 percent) and $1.6 million (20 percent) compared with 1993.

PACIFIC SALMON. U.S. commercial landings of salmon were 901.1 million pounds valued at $456.4 million--an increase of 13.0 million pounds (1 percent), and $32.9 million (8 percent) compared with 1993. Alaska and Washington accounted for 96 percent and 3 percent of the total landings, respectively. Sockeye salmon landings were 304.8 million pounds valued at $275.8 million--a decrease of 90.1 million pounds (23 percent), and $5.7 million (2 percent) compared with 1993. Chinook salmon landings decreased to 18.9 million pounds--down 257,000 pounds (1 percent) from 1993. Pink salmon landings were 365.2 million pounds--an increase of 22.1 million pounds (6 percent); chum salmon increased to 133.6 million pounds (48 perent); and coho salmon increased to 78.5 million pounds--an increase of 38.0 million pounds (94 percent) compared with 1993.

Trend in Commercial Landings, 1985-1994
Pacific Salmon



Alaska landings were 867.4 million pounds valued at $424.4 million--an increase of 20.5 million pounds (2 percent), and $33.3 million (9 percent) compared with 1993. The distribution of Alaska salmon landings by species in 1994 was: sockeye, 294.2 million pounds (34 percent); pink, 365.2 million pounds (42 percent); chum, 120.2 million pounds (14 percent); coho, 75.3 million pounds (9 percent); and chinook, 12.4 million pounds (1 percent). The exvessel price per pound for all species in Alaska was 49 cents in 1994-- an increase of 3 cents from 1993.

Washington salmon landings were 28.8 million pounds valued at $23.8 million--a decrease of 7.6 million pounds (21 percent), and $234,000 (1 percent) compared with 1993. The biennial fishery for pink salmon went from 8.2 million pounds in 1993 to 4,000 pounds in 1994. Washington landings of chum salmon were 13.4 million pounds (up 38 percent); followed by sockeye, 10.6 million pounds--a decrease of 3.3 million pounds (down 24 percent); silver, 2.7 million pounds (up 54 percent); and chinook, 2.1 million pounds (down 29 percent) compared with 1993. The average exvessel price per pound for all species in Washington increased from 66 cents in 1993 to 83 cents in 1994.

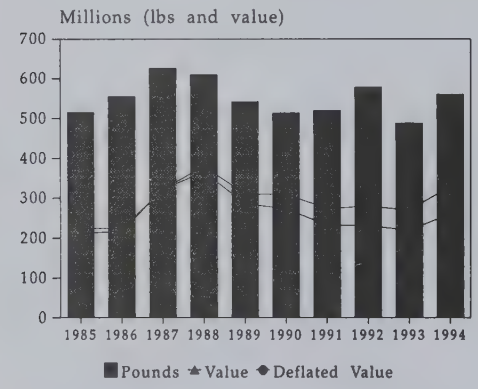
Oregon salmon landings were 1.2 million pounds valued at $1.4 million--a decrease of 500,000 pounds (29 percent) and $900,000 (39 percent) compared with 1993. Landings of chinook salmon were 721,000 pounds (down 52 percent), and coho,489,000 pounds (up 135 percent). The average exvessel price per pound for all species in Oregon decreased from $1.38 in 1993 to $1.18 in 1994. California salmon landings were 3.1 million pounds valued at $6.5 million--an increase of 550,000 pounds (21 percent) and $700,000 (12 percent) compared with 1993. Landings of chinook salmon were 3.1 million pounds; coho landings were 1,000 pounds. The average exvessel price per pound paid to fishermen in 1994 was $2.07 compared with $2.25 in 1993.

SABLEFISH. U.S. commercial landings of sablefish were 71.3 million pounds valued at $84.8 million--a decrease of 6.1 million pounds (8 percent) but an increase of $1.0 million (1 percent) in value compared with 1993. Landings increased in Alaska to 53.5 million pounds, a decrease of 9 percent compared with 1993. Landings decreased in Washington to 4.0 million pounds (11 percent), but increased in value to $8.0 million (up 31 percent). The 1994 Oregon catch was 9.0 million pounds (up 3 percent) and $7.8 million (up 63 percent) compared with 1993. California landings of 4.8 million pounds and $3.4 million represent an 11 percent decline in quantity and 48 percent increase in value from 1993. The

average exvessel price per pound in 1994 was $1.19 compared with $1.08 in 1993.

TUNA. Landings of tuna by U.S. fishermen at ports in the 50 United States, Puerto Rico, American Samoa, other U.S. territories, and foreign ports were 559.7 million pounds valued at $329.7 million--an increase of 71.7 million pounds (15 percent) and $59.8 million (22 percent) compared with 1993. The average exvessel price per pound of all species of tuna in 1994 was 59 cents compared with 55 cents in 1993.

Trend in Commercial Landings, 1985-1994
Tuna (Includes U.S. and Foreign Ports)



Bigeye landings in 1994 were 6.8 million pounds--a decrease of 4.5 million pounds (40 percent) compared with 1993. The average exvessel price per pound was $3.97 in 1994 compared with $2.02 in 1993.

Skipjack landings were 337.5 million pounds--a decrease of 11.4 million pounds (3 percent) compared with 1993. The average exvessel price per pound was 43 cents in 1994, compared to 41 cents in 1993.

Yellowfin landings were 181.8 million pounds--an increase of 76.7 million pounds (73 percent) compared with 1993. The average exvessel price per pound was 59 cents in 1994 compared with 64 cents in 1993.

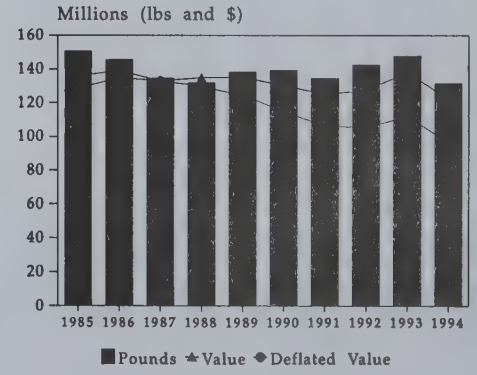
Bluefin landings were 4.4 million pounds--an increase of 900,000 pounds (26 percent) compared with 1994. The average exvessel price per pound in 1994 was $5.24 compared with $6.03 in 1993.

CLAMS. Landings of all species yielded 131.4 million pounds of meats valued at $122.4 million--a decrease of 16.3 million pounds (11 percent) and $15.7 million (11 percent) compared with 1993. The average exvessel price per pound remained constant at 93 cents.

Surf clams yielded 68.4 million pounds of meats valued at $42.3 million--a decrease of 5.5 million pounds (7 percent) but an increase of $8.4 million (25 percent) compared with 1993. New Jersey was the leading State with 48.6 million pounds (up 1 percent), followed by Maryland, 6.9 million pounds (up 6 percent); and New York, 4.7 million pounds (down 71 percent) compared with 1993. The average exvessel price per pound of meats was 62 cents in 1994, up 16 cents from 1993.

The ocean quahog fishery produced 46.5 million pounds of meats valued at $18.7 million--a decrease of 5.2 million pounds (10 percent) and $1.9 million (9 percent) compared with 1993. New Jersey was the leading producer with 38.5 million pounds of meats accounting for 83 percent of the total ocean quahog landings. The value for New Jersey in 1994 was $14.4 million--a decrease of $1.0 million (6 per-

Trend in Commercial Landings, 1985-1994
Clams



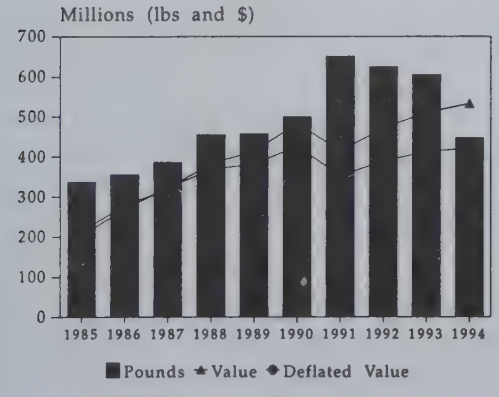
cent) compared with 1993. The average exvessel price per pound of meats remained constant at 40 cents.

The hard clam fishery produced 11.5 million pounds of meats valued at $40.2 million--a decrease of 4.1 million pounds (26 percent) and $18.9 million (32 percent) compared with 1993. Landings in the New England region were 1.6 million pounds of meats (down 63 percent); Middle Atlantic region, 1.8 million pounds (down 54 percent); Chesapeake region, 885,000 pounds (down 32 percent); and the South Atlantic region, 3.7 million pounds (up 61 percent). The average exvessel price per pound of meats decreased from $3.78 in 1993 to $3.50 in 1994.

Soft clams yielded 2.8 million pounds of meats valued at $12.5 million--a decrease of 1.7 million pounds (38 percent) and $6.5 million (34 percent) compared with 1993. Maine was the leading state with 2.0 million pounds of meats (down 13 percent) followed by Maryland with 449,000 pounds (down 63 percent). The average exvessel price per pound of meats was $4.54 in 1994, compared with $4.25 in 1993.

CRABS. Landings of all species of crabs were 446.9 million pounds valued at $533.0 million--a decrease of 157.5 million pounds (26 percent) but an increase of $22.5 million (4 percent) compared with 1993.

Trend in Commercial Landings, 1985-1994
Crabs



Hard blue crab landings were 209.0 million pounds valued at $137.1 million--a decrease of 40.2 million pounds (16 percent) and an increase of $10.5 million (8 percent) compared with 1993. North Carolina landed 27 percent of the total; Maryland, 20 percent; Virginia, 15 percent; and Louisiana, 16 percent of the total U.S. landings. Hard blue crab landings in the Chesapeake region were 73.5 million pounds--a decrease of 34 percent; Gulf region, 49.1 million pounds, decreased 22 percent; and the South Atlantic region with 76.3 million pounds, increased 27 percent. The Middle Atlantic region with 10.1 million pounds valued at $7.2 million showed a decrease of 3.6 million pounds (26 percent) compared with 1993. The average exvessel price per pound of hard blue crabs was 66 cents in 1994, six cents more than 1993.

Dungeness crab landings were 46.0 million pounds valued at $63.0 million--a decrease of 9.4 million pounds (17 percent) and an increase of $1.3 million (26 percent) compared with 1993. Washington landings of 186.1 million pounds (up 3 percent) led all states with 40 percent of the total landings. Alaska landings were 4.0 million pounds, down 77 percent compared with 1993. Oregon landings were 10.6 million pounds (up 1 percent) and California landings were 12.8 million pounds (up 31 percent) compared with 1993. The average exvessel price per pound was $1.37 in 1994 compared with 90 cents in 1993.

U.S. landings of king crab were 12.0 million pounds valued at $52.1 million--a decrease of 12.8 million pounds (52 percent) compared with 1993. The average exvessel price per pound in 1994 was $4.35 compared with $3.77 in 1993.

Snow (tanner) crab landings were 159.6 million pounds valued at $242.8 million--a decrease of 96.2 million pounds (38 percent) and $32.2 million (15 percent) compared with 1993. The average exvessel price per pound was $1.52 in 1994, up from 82 cents in 1993.

LOBSTER, AMERICAN. American lobster landings were 66.4 million pounds valued at $196.2 million--an increase of 9.9 million pounds (18 percent), and $44.4 million (29 percent) compared with 1993. Maine

IMPORTANT SPECIES

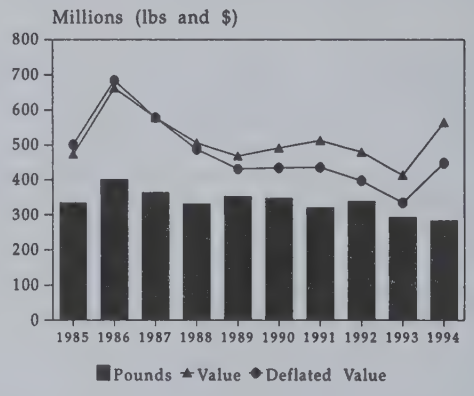
led in landings for the thirteenth consecutive year with 38.9 million pounds valued at $101.5 million--an increase of 7.8 million pounds (25 percent) compared with 1993. Massachusetts, the second leading producer, had landings of 16.1 million pounds valued at $58.4 million--an increase of 2.1 million pounds (15 percent) compared with 1993. Together, Maine and Massachusetts produced 83 percent of the total national landings. The average exvessel price per pound was $2.95 in 1994 compared with $2.69 in 1993.

LOBSTERS, SPINY. U.S. landings of spiny lobster were 8.1 million pounds valued at $33.4 million--an increase of 2.0 million pounds (33 percent) and $2.4 million (59 percent) compared with 1993. Florida, with landings of 7.5 million pounds valued at $29.4 million, accounted for 93 percent of the total catch and 88 percent of the value. This was an increase of 1.9 million pounds (34 percent) and $11.3 million (63 percent) compared with 1993. Overall the average exvessel price per pound was $4.12 in 1994 compared with $3.45 in 1993.

OYSTERS. U.S. oyster landings yielded 38.1 million pounds of meats valued at $133.4 million --an increase of 4.5 million pounds (13 percent) and $46.7 million (54 percent) compared with 1993. The Gulf region led in production with 27.3 million pounds of meats, 72 percent of the national total; followed by the Pacific region (principally Washington with 84 percent of the region's total volume) with 10.7 million pounds (28 percent), and the New England region, with 8.0 million pounds (21 percent). The average exvessel price per pound of meats was $3.50 in 1994 compared with $2.58 in 1993.

SHRIMP. U.S. landings of shrimp were 282.6 million pounds valued at $564.2 million--a decrease of 10.3 million pounds (4 percent), but an increase of $151.3 million (37 percent) compared with 1993. Shrimp landings increased in the South Atlantic (up 9 percent); and New England (64 percent); and remained at 1993 levels in the Gulf. The landings in the Pacific decreased 35 percent when compared with 1993. The average exvessel price per pound of shrimp increased to $2.00 in 1994 compared with $1.41 in 1993. Gulf region landings were the nation's largest with 206.2 million pounds, and 74 percent of the national total. Louisiana led all Gulf states with 89.5

Trend in Commercial Landings, 1985-1994
Shrimp



million pounds (up 2 percent), followed by Texas, 77.2 million pounds (down 1 percent); Alabama, 15.9 million pounds (up 11 percent); Florida (West Coast), 14.8 million pounds (down 7 percent); and Mississippi, 8.7 million pounds (down 17 percent). In the Pacific region, Oregon was the third leading State nationwide with landings of 16.4 million pounds (down 39 percent). Washington landings of 6.3 million pounds decreased 61 percent and California landings of 12.8 million pounds increased 41 percent compared with 1993.

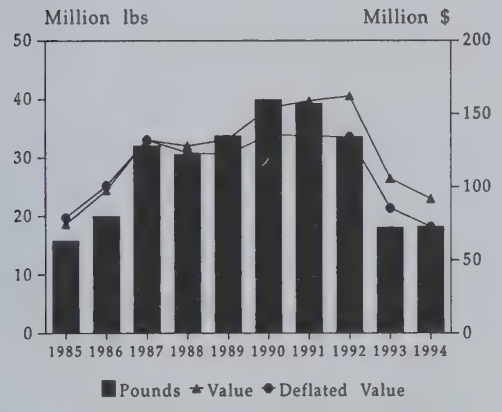
SCALLOPS. U.S. landings of bay and sea scallops totaled 18.4 million pounds of meats valued at $91 .9 million -- a decrease of 601,000 pounds (2 percent) and $16.9 million (16 percent) compared with 1993. The average exvessel price per pound decreased from $5.84 in 1993 to $3.88 in 1994.

Bay scallop landings were 79,000 pounds of meats valued at $151,000--a decrease of 443,000 pounds (85 percent) and $3.1 million (95 percent) compared with 1993. The average exvessel price per pound of meats was $1.91 in 1994 compared with $6.24 in 1993.

Sea scallop landings were 18.2 million pounds of meats valued at $91.8 million--an increase of 112,000 pounds in value (1 percent) and a decrease of $13.8 million (13 percent) compared with 1993. Massachusetts and Virginia were the leading states

in landings of sea scallops with 6.5 and 6.3 million pounds of meats, respectively. These represent 70 percent of the national total. The average exvessel price per pound of meats in 1994 was $5.04 compared with $5.83 in 1993.

Trend in Commercial Landings, 1985-1994
Atlantic Sea Scallops



Florida accounted for the total landings of calico scallops with 7.2 million pounds valued at $6.9 million in 1994.

SQUID. U.S. commercial landings of squid were 215.8 million pounds valued at $63.7 million--an increase of 53.4 million pounds (33 percent) and $17.3 million (37 percent) compared with 1993. California was the leading state with 121.6 million pounds, 56 percent of the national total. The Pacific region landings were 122.4 million pounds (up 71 percent), followed by the New England region, 46.2 million pounds (down 1 percent), the Middle Atlantic region, 46.1 million pounds (up 8 percent), and the Chesapeake Region, 721,000 pounds (down 4 percent) compared with 1993. The average exvessel price per pound for squid was 30 cents in 1994, compared with 29 cents in 1993.

PER CAPITA CONSUMPTION

The NMFS calculation of per capita consumption is based on a "disappearance" model. The total U.S. supply of imports and landings is converted to edible weight and decreases in supply such as exports and inventories are subtracted out. The remaining total is divided by a population value to estimate per capita consumption. Data for the model are derived primarily from secondary sources and are subject to incomplete reporting; changes in source data or invalid model assumptions may each have a significant effect on the resulting calculation.

U.S. per capita consumption of fish and shellfish was 15.2 pounds (edible meat) in 1994. This total was 0.2 pounds more than the 15.0 pounds consumed in 1993. Per capita consumption of fresh and frozen products was 10.4 pounds, an increase of 0.2 pounds from 1993. Fresh and frozen finfish accounted for 6.4 pounds while fresh and frozen shellfish consumption was 3.8 pounds per capita. The fresh and frozen finfish includes approximately 0.8 pounds of farm raised catfish. Consumption of canned fishery products was 4.5 pounds per capita in 1994, the same as in 1993. Imports of edible seafood made up 54% of the consumption.

Per Capita Use. Per capita use is based on the supply of fishery products, both edible and non-edible (industrial), on a round-weight equivalent basis without considering beginning or ending stocks, defense purchases, or exports. The per capita use of all edible and industrial fishery products in 1994 was 74.1 pounds, down 4.7 pounds compared with 1993.

REVIEW

PROCESSED FISHERY PRODUCTS

FRESH AND FROZEN

FISH FILLETS AND STEAKS. In 1994 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 410.4 million pounds--9.8 million pounds less than the 420.2 million pounds in 1993. These fillets and steaks were valued at $825.9 million--$21.2 million less than 1993. Alaska pollock fillets and blocks led all species with 142.6 million pounds--35 percent of the total. Production of groundfish fillets and steaks (see Glossary Section-Groundfish) was 220.7 million pounds compared with 233.8 million pounds in 1993.

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 239.2 million pounds valued at $296.3 million compared with the 1993 production of 274.1 million pounds valued at $381.2 million--a decrease of 34.9 million pounds and $107.1 million.

The total production of fish sticks amounted to 57.6 million pounds valued at $50.3 million--a decrease of 10.4 million pounds and $17.7 million compared with 1993. The total production of fish portions amounted to 181.5 million pounds valued at $246.1 million--a decrease of 24.6 million pounds and $67.1 million compared with 1993.

BREADED SHRIMP. The production of breaded shrimp in 1994 was 94.8 million pounds valued at $274.2 million, compared with the 1993 production of 111.7 million pounds valued at $325.4 million.

FROZEN FISHERY TRADE. In 1994, stocks of frozen fishery products in cold storage were at a low of 293.8 million pounds on April 30 and a high of 371.3 million pounds on October 31. Cold storage holdings of shrimp products were at a high of 51.4 million pounds on December 31 and a low of 36.6 million pounds on April 30. Holdings of saltwater fillets and steaks reached a high of 84.2 million pounds on January 31 and were at a low of 66.9 million pounds on September 30. Holdings of blocks and slabs were at a high of 49.6 million pounds on June 30 and a low of 29.3 million pounds on February 28. Surimi and analog product holdings reached a high of 30.7 million pounds on May 31 and were at a low of 17.1 million pounds on August 31.

REVIEW

PROCESSED FISHERY PRODUCTS

CANNED FISHERY PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 60.7 million standard cases (1.8 billion pounds) valued at $1.8 billion--an increase of 963,121 standard cases (59.1 million pounds), and $108.1 million compared with the 1993 pack. The 1994 pack included 44.4 million cases (985.8 million pounds) valued at $1.5 billion for human consumption and 16.3 million standard cases (782.4 million pounds) valued at $325.3 million for bait and animal food.

CANNED SALMON. The 1994 U.S. pack of natural Pacific salmon was 4.7 million standard cases (206.8 million pounds) valued at $329.0 million, compared with 4.5 million standard cases (198.3 million pounds) valued at $307.1 million packed in 1993. Alaskan plants accounted for 96 percent in quantity and 96 percent in value of the salmon pack.

CANNED SARDINES. The pack of Maine sardines (small herring) was 664,963 standard cases (15.6 million pounds) valued at $27.6 million, an increase of 51,548 standard cases (1.2 million pounds) and an increase of $2.5 million compared with 1993. There were 269,776 standard cases (6.3 million pounds) of herring valued at $11.2 million packed in 1994 -- 41,887 standard cases (980,000 pounds) and $1.7 million less than the 1993 pack.

CANNED TUNA. The U.S. pack of tuna was 33.2 million standard cases (609.5 million pounds) valued at $963.3 million--a decrease of 501,879 standard cases (9.2 million pounds) in quantity with an increase of $59.3 million in value compared with the 1993 pack. The pack of albacore tuna was 8.7 million standard cases--571,558 standard cases more than the 8.2 million standard cases produced in 1993. Albacore tuna comprised 26 percent of the tuna pack in 1994. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 24.4 million standard cases--1.1 million standard cases less than the 2,553 million standard cases packed in 1993.

CANNED CLAMS. The 1994 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 5.1 million standard cases (122.2 million pounds) valued at $105.6 million--an increase of 150,909 standard cases (5.0 million pounds), and $13.3 million more in value than the pack in 1993. The pack of whole and minced clams was 2.4 million standard cases (42,650 standard cases more than the 1993 pack) and accounted for 46 percent of the total clam pack. Clam chowder and clam juice (2.4 million standard cases) made up the majority of the remaining pack.

CANNED SHRIMP. The U.S. pack of natural shrimp was 69,119 standard cases (467,000 pounds) valued at $3.5 million--a decrease of 28,300 standard cases (191,000 pounds) and $615,000 in value compared with the 1993 pack.

OTHER CANNED ITEMS. The pack of pet food was 16.3 million standard cases valued at $325.3 million--an increase of 1.2 million standard cases compared with the 1993 pack.

REVIEW

PROCESSED FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was $248.0 million--an increase of $22.1 million compared with the 1993 value of $225.9 million.

FISH MEAL. The domestic production of fish and shellfish meal was 816.2 million pounds valued at $134.4 million--an increase of 65.4 million pounds and $3.2 million compared with 1993. Menhaden meal production was 571.8 million pounds valued at $90.7 million--an increase of 100.7 million pounds and $12.3 million compared with 1993. Menhaden accounted for 70 percent of the 1994 production of meal. Shellfish meal production was 18.1 million pounds--a decrease of 5.4 million pounds from the 1993 level. Tuna and mackerel meal production was 68.9 million pounds--an increase of 2.8 million pounds from 1993. Production of unclassified meal (consisting mainly of Alaska pollock and unclassified fish) was 157.5 million pounds--a decrease of 32.8 million pounds compared with 1993.

FISH SOLUBLES. Domestic production of fish solubles was 146.6 million pounds, 19.7 million pounds more than the 1993 production.

FISH OILS. The domestic production of fish oils was 291.2 million pounds valued at $37.1 million--a decrease of 2.3 million pounds and $3.7 million in value compared with 1993 production. The production of menhaden oil was 289.2 million pounds valued at $36.8 million--a decrease of 2.1 million pounds and $3.7 million compared with 1993. Menhaden oil accounted for 99 percent of the volume and value of the total 1994 fish oil production.

OTHER INDUSTRIAL PRODUCTS. Oyster shell products, together with agar-agar, animal feeds, crab and clam shells processed for food serving, fish pellets, Irish moss extracts, kelp products, dry and liquid fertilizers, pearl essence, and mussel shell buttons were valued at $62.0 million, compared with $43.7 million in 1993--an increase of $18.3 million.

REVIEW

FOREIGN TRADE IN FISHERY PRODUCTS

IMPORTS. U.S. imports of edible fishery products in 1994 were valued at $6.6 billion, $796.4 million more than in 1993. The quantity of edible imports was 3.0 billion pounds, 117.7 million pounds more than the quantity imported in 1993.

Edible imports consisted of 2.5 billion pounds of fresh and frozen products valued at $5.9 billion, 419.2 million pounds of canned products valued at $541.9 million, 70.3 million pounds of cured products valued at $122.8 million, 4.1 million pounds of caviar and roe products valued at $27.6 million, and 13.0 million pounds of other products valued at $35.8 million.

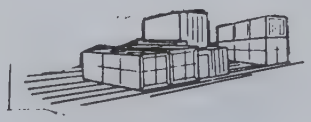
The quantity of shrimp imported in 1994 was 627.9 million pounds, 27.0 million pounds more than the quantity imported in 1993. Valued at $2.7 billion, $498.2 million more than the 1993 value, shrimp imports accounted for 40 percent of the value of total edible imports. Imports of fresh and frozen tuna were 458.4 million pounds, 22.7 million pounds more than the 435.7 million pounds imported in 1993. Imports of canned tuna were 249.0 million pounds, 24.6 million pounds more than the 244.4 million pounds imported in 1993. Imports of fresh and frozen fillets and steaks amounted to 439.1 million pounds, a decrease of 1.3 million pounds from 1993. Regular and minced block imports were 199.6 million pounds, a decrease of 12.0 million pounds from 1993.

Imports of nonedible fishery products were valued at $5.3 billion--an increase of $568.1 million compared with 1993. The total value of edible and nonedible products was $12.0 billion in 1994, $1.4 billion more than in 1993 when $10.6 billion of fishery products were imported.

EXPORTS. U.S. exports of edible fishery products were 2.0 billion pounds valued at $3.1 billion, an increase of 7.5 million pounds and $49.3 million when compared with 1993.

Fresh and frozen items were 1.7 billion pounds valued at $2.4 billion, a decrease of 27.2 million pounds but an increase of $28.7 million compared with 1993. In terms of individual species, fresh and frozen exports consisted principally of 287.2 million pounds of salmon valued at $523.2 million, 314.7 million pounds of surimi valued at $319.4 million and 87.5 million pounds of crabs valued at $337.6 million. Canned items were 138.1 million pounds valued at $250.0 million. Salmon was the major canned item exported, with 90.9 million pounds valued at $163.6 million. Cured items were 11.2 million pounds valued at $26.4 million. Caviar and roe exports were 78.6 million pounds valued at $399.1 million.

Exports of nonedible products were valued at a record $4.3 billion compared with $3.8 billion in 1993. Exports of fishmeal amounted to 160.0 million pounds valued at $37.3 million. The total value of edible and nonedible exports was $7.4 billion--an increase of $456.1 million compared with 1993.



U.S. DOMESTIC LANDINGS, BY SPECIES, 1993 AND 1994 (1)

Species	1993			1994			Average (1989-93)
Fish	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Alewives:							
Atlantic and Gulf.	1,740	789	151	964	437	188	3,325
Great Lakes.....	147	67	(2)	(2)	(2)	(2)	7,195
Anchovies.....	9,786	4,439	4,518	8,334	3,780	1,890	13,858
Bluefish.....	10,575	4,797	2,970	9,825	4,457	2,937	11,927
Bonito.....	1,712	777	448	2,812	1,276	803	3,515
Butterfish.....	10,470	4,749	7,039	10,215	4,633	4,857	7,574
Cod:							
Atlantic.....	50,503	22,908	44,956	38,653	17,533	36,160	75,745
Pacific.....	482,799	218,996	116,172	460,287	208,785	95,836	497,115
Croaker.....	9,377	4,253	3,758	11,460	5,198	4,321	6,844
Cusk.....	3,149	1,428	1,661	2,385	1,082	1,355	2,939
Flounders:							
Atlantic and Gulf:							
Blackback.....	11,613	5,268	15,262	7,920	3,592	11,214	14,289
Fluke.....	15,648	7,098	22,937	19,574	8,879	32,444	17,469
Yellowtail.....	7,952	3,607	10,365	6,821	3,094	8,125	16,295
Other.....	23,734	10,766	28,508	20,014	9,078	25,692	21,436
Pacific.....	540,161	245,015	58,526	372,526	168,977	49,105	351,891
Total.....	*599,108*	*271,754*	*135,598*	*426,855*	*193,620*	*126,580*	*421,380*
Groupers.....	14,093	6,393	28,089	12,264	5,563	26,628	12,639
Haddock.....	1,938	879	2,672	724	328	1,033	4,070
Hake:							
Pacific (whiting).	310,182	140,698	9,326	557,203	252,746	16,747	105,538
Red.....	3,622	1,643	870	3,749	1,701	936	3,877
White.....	16,536	7,501	7,256	10,568	4,794	5,787	14,392
Halibut.....	63,053	28,601	62,391	57,900	26,263	84,898	68,719
Herring, sea:							
Atlantic.....	109,645	49,735	6,511	100,997	45,812	5,816	108,491
Pacific.....	106,572	48,341	18,711	112,837	51,183	25,587	123,247
Jack mackerel.....	3,925	1,780	232	6,387	2,897	366	9,510
Lingcod.....	4,803	2,179	1,834	5,061	2,296	2,115	6,734
Mackerel:							
Atlantic.....	10,346	4,693	1,299	19,793	8,978	2,661	22,799
Chub.....	24,051	10,909	1,359	22,148	10,046	1,283	8,168
King.....	5,418	2,458	6,876	4,438	2,013	5,929	56,604
Spanish.....	5,197	2,357	2,196	5,986	2,715	2,807	5,783
Menhaden:							
Atlantic.....	766,773	347,806	44,062	631,622	286,502	39,886	747,827
Gulf.....	1,216,546	551,822	59,196	1,691,915	767,448	88,478	1,163,294
Total.....	*1,983,319*	*899,628*	*103,258*	*2,323,537*	*1,053,949*	*128,364*	*1,911,121*
Mullets.....	31,568	14,319	12,870	30,544	13,855	14,943	28,582
Ocean perch:							
Atlantic.....	1,764	800	805	968	439	602	1,504
Pacific.....	45,522	20,649	13,477	30,865	14,000	4,355	40,861
Pollock:							
Atlantic.....	12,500	5,670	8,370	8,238	3,737	6,730	17,996
Alaska.....	3,257,990	1,477,815	358,378	3,124,531	1,417,278	375,926	2,907,091
Rockfishes.....	120,662	54,732	45,696	91,705	41,597	44,062	121,673
Sablefish.....	77,467	35,139	83,861	71,339	32,359	84,827	84,784
Salmon, Pacific:							
Chinook or king...	19,184	8,702	27,944	18,927	8,585	26,174	22,756
Chum or keta.....	90,419	41,014	38,374	133,636	60,617	34,651	79,179
Pink.....	343,107	155,632	45,586	365,203	165,655	60,512	309,991
Red or sockeye....	394,929	179,139	281,469	304,813	138,262	275,766	320,332
Silver or coho....	40,495	18,368	30,157	78,507	35,611	59,304	48,994
Total.....	*888,134*	*402,855*	*423,530*	*901,086*	*408,730*	*456,407*	*781,252*
Scup or porgy.....	10,301	4,673	6,439	10,297	4,671	7,028	12,299
Sea bass:							
Black.....	3,369	1,528	3,263	4,480	2,032	6,348	4,055
White.....	97	44	199	78	35	145	119
Sea trout:							
Gray.....	7,032	3,190	4,216	6,101	2,767	3,998	9,447
Spotted.....	2,339	1,061	2,773	2,341	1,062	2,845	2,550
White.....	309	140	168	418	190	244	276
Sharks:							
Dogfish.....	50,164	22,754	6,257	46,829	21,241	6,393	35,093
Other.....	15,338	6,957	9,199	16,394	7,436	11,293	15,396

See notes at end of table. (Continued)

U.S. COMMERCIAL LANDINGS

U.S. DOMESTIC LANDINGS, BY SPECIES, 1993 AND 1994 (1) - Continued

Species	1993			1994			Average (1989-93)
Fish - Continued:	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Snapper:							
Red	3,520	1,597	7,608	3,771	1,711	8,718	3,282
Other	8,616	3,908	17,288	7,591	3,443	14,226	7,307
Striped bass	1,683	763	3,003	1,648	748	2,704	1,005
Swordfish	21,951	9,957	55,544	15,260	6,922	44,728	17,038
Tilefish	5,894	2,674	7,063	3,347	1,518	5,882	4,256
Tuna:							
Albacore	14,582	6,614	12,756	25,680	11,648	22,163	8,827
Bigeye	5,861	2,659	20,400	6,811	3,089	27,071	5,119
Bluefin	3,530	1,601	21,274	4,399	1,995	23,052	4,032
Skipjack	11,455	5,196	5,754	6,877	3,119	4,184	9,811
Yellowfin	18,224	8,266	29,973	27,037	12,264	31,489	30,769
Unclassified	1,740	789	1,273	991	450	702	1,381
Total	*55,392*	*25,126*	*91,430*	*71,795*	*32,566*	*108,661*	*59,939*
Whiting	35,735	16,209	12,872	35,619	16,157	13,828	38,403
Other marine finfishes	468,451	212,488	120,767	402,185	182,430	154,331	---
Other freshwater finfishes	31,278	14,188	18,894	29,464	13,365	19,268	---
Total, fish	*8,999,142*	*4,081,984*	*1,884,121*	*9,132,276*	*4,142,373*	*1,984,376*	---
Shellfish et al.							
Clams:							
Hard	15,609	7,080	59,050	11,495	5,214	40,184	11,875
Ocean quahog	51,654	23,430	20,565	46,502	21,093	18,654	49,797
Soft	4,472	2,028	19,009	2,765	1,254	12,547	5,044
Surf	73,913	33,527	33,865	68,448	31,048	42,306	70,712
Other	2,104	954	5,541	2,217	1,006	8,671	2,914
Total	*147,752*	*67,020*	*138,030*	*131,427*	*59,615*	*122,362*	*140,362*
Crabs:							
Blue, hard	249,268	113,067	126,585	209,045	94,822	137,129	214,519
Dungeness	55,453	25,153	49,976	46,006	20,868	63,024	38,370
King	24,732	11,218	93,161	11,960	5,425	52,083	26,447
Snow (tanner)	255,733	116,000	210,638	159,574	72,382	242,798	268,186
Other	19,251	8,732	30,134	20,357	9,234	37,953	19,787
Total	*604,437*	*274,171*	*510,494*	*446,942*	*202,732*	*532,987*	*567,309*
Lobsters:							
American	56,513	25,634	151,746	66,416	30,126	196,175	57,927
Spiny	6,076	2,756	20,984	8,104	3,676	33,403	6,658
Oysters	33,575	15,230	86,698	38,086	17,276	133,435	32,142
Scallops							
Bay	522	237	3,258	79	36	151	426
Calico	(3)	(3)	(3)	7,162	3,249	6,944	7,715
Sea	18,116	8,217	105,603	18,228	8,268	91,793	32,924
Shrimp:							
New England	5,006	2,271	5,153	8,197	3,718	6,501	7,498
South Atlantic	26,499	12,020	49,483	28,909	13,113	68,456	29,997
Gulf	206,401	93,623	335,410	206,220	93,541	462,710	227,036
Pacific	54,946	24,923	22,678	39,237	17,798	26,175	65,211
Other	35	16	172	63	29	326	-
Total	*292,887*	*132,853*	*412,896*	*282,626*	*128,198*	*564,168*	*329,749*
Squid:							
Atlantic	90,809	41,191	38,323	93,389	42,361	43,409	74,064
Pacific	71,550	32,455	8,079	122,395	55,518	20,335	53,443
Other shellfish	145,516	66,006	111,228	114,258	51,827	116,860	---
Total, shellfish et al.	*1,467,753*	*665,768*	*1,587,339*	*1,329,112*	*602,881*	*1,862,022*	---
Grand total	*10,466,895*	*4,747,752*	*3,471,460*	*10,461,388*	*4,745,254*	*3,846,398*	---

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River Drainage area States are not available. (2) Less than 500 LB, $500 or 1 metric ton. (3) Data are confidential and included with unclassified shellfish. Note:--Data are preliminary. Data do not include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States, or catches by U.S.-flag vessels transferred to internal water processing vessels (IWPs) in the U.S. waters. Data do not include aquaculture products, except oysters and clams.

U.S. DOMESTIC LANDINGS, BY STATES, 1993 AND 1994 (1)

States	1993		1994		Record Landings	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Year	Thousand pounds
Alabama	22,093	34,242	23,488	48,300	1973	36,744
Alaska	5,905,638	1,429,536	5,388,923	1,449,045	1993	5,905,638
California	281,476	119,749	343,429	159,148	1936	1,760,193
Connecticut	17,398	50,885	19,797	44,376	1930	88,012
Delaware	7,191	4,628	6,988	6,118	1953	367,500
Florida	178,751	208,833	176,551	238,995	1938	241,443
Georgia	15,743	21,231	14,506	20,302	1927	47,607
Hawaii	34,582	69,082	27,090	62,451	1993	34,582
Illinois	194	275	405	566	-	(2)
Indiana	1,596	2,294	1,411	1,919	-	(2)
Louisiana	1,292,893	261,822	1,704,387	336,314	1984	1,931,027
Maine	236,406	181,136	231,035	243,360	1950	356,266
Maryland	84,938	53,399	67,512	60,503	1890	141,607
Massachusetts	219,166	232,103	183,307	205,939	1948	649,696
Michigan	16,861	9,336	13,641	9,266	1930	35,580
Minnesota	371	138	480	236	-	(2)
Mississippi	181,339	29,436	220,828	44,990	1985	439,518
New Hampshire	10,971	11,836	12,099	12,746	-	(2)
New Jersey	196,101	96,288	201,598	99,866	1956	540,060
New York	54,340	54,163	44,721	42,817	1880	335,000
North Carolina	164,883	57,890	196,853	97,892	1981	432,006
Ohio	5,332	1,731	4,348	1,392	1936	31,083
Oregon	210,246	61,332	245,560	66,305	1992	256,912
Pennsylvania	230	171	371	292	-	(2)
Rhode Island	120,756	76,320	111,808	76,807	1957	142,080
South Carolina	18,843	25,843	17,571	27,788	1965	26,611
Texas	90,573	152,755	85,209	206,686	1960	237,684
Virginia	728,345	108,117	580,930	101,245	1990	786,794
Washington	362,344	111,779	527,804	175,197	1994	527,804
Wisconsin	7,295	5,110	8,738	5,537	-	(2)
Total	*10,466,895*	*3,471,460*	*10,461,388*	*3,846,398*	-	-

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River Drainage Area States are not available.
(2) Data Not available.
NOTE:--Data are preliminary. Data do not include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States, or catches by U.S.-flag vessels transferred to internal water processing vessels (IWPs) in U.S. waters. Data do not include aquaculture products, except oysters and clams.

U.S. DOMESTIC LANDINGS, BY REGIONS, 1993 AND 1994 (1)

Region	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
New England	604,697	552,280	558,046	583,228
Middle Atlantic	257,537	154,989	253,237	148,741
Chesapeake	813,283	161,516	648,442	161,748
South Atlantic	250,346	161,314	286,674	214,997
Gulf	1,714,772	630,738	2,152,719	806,270
Pacific Coast and Alaska	6,759,704	1,722,396	6,505,716	1,849,695
Great Lakes	31,974	19,145	29,464	19,268
Hawaii	34,582	69,082	27,090	62,451
Total	*10,466,895*	*3,471,460*	*10,461,388*	*3,846,398*

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River Drainage Area States are not available.

NOTE:--Data are preliminary. Data do not include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States, or catches by U.S.-flag vessels transferred to internal water processing vessels (IWPs) in U.S. waters. Data do not include aquaculture products, except oysters and clams.

U.S. COMMERCIAL LANDINGS

DISPOSITION OF U.S. DOMESTIC LANDINGS, 1993 AND 1994

End Use	1993		1994	
	Million pounds	Percent	Million pounds	Percent
Fresh and frozen:				
For human food.....	7,499	71.6	7,265	69.4
For bait and animal food.....	245	2.3	210	2.0
Total.....	***7,744***	***74.0***	***7,475***	***71.5***
Canned:				
For human food.....	600	5.7	577	5.5
For bait and animal food.....	49	0.5	45	0.4
Total.....	***649***	***6.2***	***622***	***5.9***
Cured for human food....	115	1.1	95	0.9
Reduction to meal, oil, etc.....	1,959	18.7	2,269	21.7
Grand total.....	***10,467***	***100.0***	***10,461***	***100.0***

NOTE:--Data are preliminary. Table may not add due to rounding.

DISPOSITION OF U.S. DOMESTIC LANDINGS, BY MONTH, 1994

Month	Landings for Human food		Landings for Industrial purposes (1)		Total	
	Million pounds	Percent	Million pounds	Percent	Million pounds	Percent
January.....	555	7.0	9	0.4	564	5.4
February.....	1,214	15.3	11	0.4	1,225	11.7
March.....	735	9.3	9	0.4	744	7.1
April.....	517	6.5	92	3.6	609	5.8
May.....	367	4.6	343	13.6	710	6.8
June.....	426	5.4	381	15.1	807	7.7
July.....	813	10.2	412	16.3	1,225	11.7
August.....	1,086	13.7	484	19.2	1,570	15.0
September.....	1,198	15.1	442	17.5	1,640	15.7
October.....	607	7.6	216	8.6	823	7.9
November.....	222	2.8	99	3.9	321	3.1
December.....	196	2.5	27	1.1	223	2.1
Total.....	***7,936***	***100.0***	***2,525***	***100.0***	***10,461***	***100.0***

(1) Processed into meal, oil, solubles, and shell products, or used as bait and animal food.

U.S. COMMERCIAL LANDINGS OF FISH AND SHELLFISH, 1985-1994 (1)

Year	Landings for Human Food		Landings for Industrial Purposes (2)		Total	
	Million pounds	Million dollars	Millions pounds	Million dollars	Millions pounds	Million dollars
1985.....	3,294	2,198	2,964	128	6,258	2,326
1986.....	3,393	2,641	2,638	122	6,031	2,763
1987.....	3,946	2,979	2,950	136	6,896	3,115
1988.....	4,588	3,362	2,604	158	7,192	3,520
1989.....	6,204	3,111	2,259	127	8,463	3,238
1990.....	7,041	3,366	2,363	156	9,404	3,522
1991.....	7,031	3,169	2,453	139	9,484	3,308
1992.....	7,618	3,531	2,019	147	9,637	3,678
1993.....	*8,214	3,317	2,253	154	10,467	3,471
1994.....	7,936	3,751	2,525	95	10,461	3,846

(1) Statistics on landings are shown in round weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are shown in weight of meats (excluding the shell). All data are preliminary. (2) Processed into meal, oil, solubles, and shell products, or used as bait or animal food. * Record. Record--1983 industrial purposes, 3,201 million lb.
NOTE:--Data do not include landings outside the 50 States or products of aquaculture, except oysters and clams.

COMMERCIAL FISHERY LANDINGS AND VALUE AT MAJOR U.S. PORTS, 1992-1994

Port	Quantity			Port	Value		
	1992	1993	1994		1992	1993	1994
	Million Pounds				Million Dollars		
Dutch Harbor-Unalaska, AK	740.4	793.9	699.6	Dutch Harbor-Unalaska, AK	197.9	161.2	*224.1
Empire-Venice, LA	276.5	335.4	431.7	Kodiak, AK	107.0	81.5	107.6
Cameron, LA	246.3	323.1	401.8	New Bedford, MA	151.8	107.5	82.4
Kodiak, AK	290.6	374.2	307.7	Brownsville-Port Isabel, TX	54.9	46.6	64.1
Intercoastal City, LA	175.9	202.7	304.8	Naknek-South Naknek, AK	4.0	43.5	61.5
Morgan City-Berwick, LA	130.8	147.5	243.6	Empire-Venice, LA	58.7	52.3	60.1
Dulac-Chauvin, LA	66.0	142.4	217.0	Dulac-Chauvin, LA	52.8	48.0	55.0
Pascagoula-Moss Point, MS	177.0	169.7	200.9	Key West, FL	17.4	35.2	53.0
Petersburg, AK	85.2	110.2	126.3	Honolulu, HI	50.5	56.9	44.0
Newport, OR	24.0	89.0	122.2	Portland, ME	43.6	49.1	43.6
Naknek-South Naknek, AK	19.1	78.7	100.4	Petersburg, AK	37.3	32.8	43.4
Los Angeles, CA	94.9	99.8	98.2	Delacroix-Yscloskey, LA	12.6	11.8	37.6
Beaufort-Morehead City, NC	79.0	88.4	97.0	Bayou La Batre, AL	24.0	24.3	36.7
Ketchikan, AK	70.6	100.6	93.6	Point Judith, RI	36.6	35.2	36.5
Cape May-Wildwood, NJ	93.9	95.0	85.3	Kenai, AK	84.4	26.9	35.0
Astoria, OR	67.0	68.0	78.9	Cameron, LA	26.9	27.4	33.9
Port Hueneme-Oxnard-Ventura, CA	18.7	39.9	68.3	Cape May-Wildwood, NJ	34.9	36.2	33.8
New Bedford, MA	103.3	82.1	65.8	Cape Canaveral, FL	10.4	17.2	30.6
Portland, ME	59.2	86.1	63.9	Golden Meadow-Leeville, LA	28.6	26.2	30.1
Point Judith, RI	66.7	60.4	61.9	Aransas Pass-Rockport, TX	32.3	24.0	29.3
Cordova, AK	32.0	18.1	60.8	Ketchikan, AK	27.8	27.0	29.1
Gloucester, MA	101.7	67.6	50.1	Gloucester, MA	34.1	31.3	27.3
Kenai, AK	71.4	38.1	44.3	Port Hueneme-Oxnard-Ventura, CA	10.7	10.3	26.7
Atlantic City, NJ	43.6	41.6	42.8	Galveston, TX	22.3	18.2	26.3
Wanchese-Stumpy Point, NC	29.9	32.1	39.0	Palacios, TX	(1)	15.1	24.5
Point Pleasant, NJ	30.0	21.9	37.0	Los Angeles, CA	14.6	13.7	24.5
Rockland, ME	39.9	31.9	33.8	Sitka, Ak	22.8	14.3	24.3
Sitka, Ak	36.3	26.3	32.4	Beaufort-Morehead City, NC	16.5	15.6	24.0
Seward, AK	24.2	17.6	30.7	Cordova, AK	18.9	10.7	23.6
Crescent City, CA	39.2	24.3	28.4	Fort Myers, FL	(1)	(1)	23.5
Monterery, CA	17.6	15.3	27.6	Port Arthur, TX	21.0	18.2	23.1
Delacroix-Yscloskey, LA	14.0	12.8	25.3	Apalachicola, FL	(1)	7.9	22.4
Coos Bay-Charleston, OR	38.0	29.0	24.0	Wanchese-Stumpy Point, NC	13.0	14.2	22.0
Key West, FL	9.4	20.3	21.5	Pascagoula-Moss Point, MS	12.4	10.7	22.0
Brownsville-Port Isabel, TX	22.9	18.9	21.0	Tampa Bay-St. Petersburg, FL	(1)	19.6	20.9
Cape Canaveral, FL	10.8	13.4	19.5	Atlantic City, NJ	20.4	17.8	20.9
Homer, AK	25.9	13.8	19.2	Morgan City-Berwick, LA	14.3	13.0	20.0
Honolulu, HI	22.4	26.6	19.1	Freeport, TX	11.4	13.0	19.6
Provincetown-Chatham, MA	16.7	19.2	18.6	New Orleans, LA	(1)	(1)	19.5
Wrangell, AK	8.8	10.2	18.4	Newport, OR	22.0	17.0	19.0
Bayou La Batre, AL	16.2	16.0	18.3	Delcambre, LA	15.2	12.8	18.9
Belford, NJ	18.5	19.9	18.3	Astoria, OR	19.0	19.0	18.6
Golden Meadow-Leeville, LA	21.9	20.8	17.2	Crescent City, CA	15.9	12.4	18.4
Port St. Joe, FL	(1)	15.6	15.1	Gulfport, MS	(1)	(1)	18.2
Moss Landings, CA	11.3	6.9	14.3	Homer, AK	23.7	7.9	17.4
Englehard-Swanquarter, NC	12.0	11.6	14.0	Seward, AK	8.4	6.6	16.6
Aransas Pass-Rockport, TX	17.0	13.5	13.0	Intercoastal City, LA	10.4	11.0	16.3
Hampton Bay-Shinnicock, NY	10.0	14.7	12.8	Point Pleasant, NJ	14.4	12.2	15.3
New Orleans, LA	(1)	(1)	12.5	Hampton Roads Area, VA	33.3	17.9	15.1
Ocean City, MD	17.9	14.1	12.5	Charleston-Mt. Pleasant, SC	10.9	10.7	14.0
Galveston, TX	12.7	12.5	12.4	Mayport, FL	(1)	6.2	13.5
Newport, RI	14.2	11.9	12.1	Montauk, NY	14.9	11.7	13.4
Tampa Bay-St. Petersburg, FL	(1)	12.4	11.3	Santa Barbara, CA	15.6	15.8	13.4
Fort Myers, FL	(1)	(1)	11.1	Coos Bay-Charleston, OR	15.0	11.0	13.4
Belhaven-Washington, NC	(1)	(1)	11.0	Lafitte-Barataria, LA	11.9	11.0	12.7
San Diego, CA	3.5	(1)	10.7	Grand Isle, LA	13.2	13.5	12.1
Montauk, NY	14.1	12.3	10.6	Newport, RI	14.5	11.2	12.1
Brookings, OR	1.0	10.0	10.6	Eureka, CA	10.1	9.1	11.2
Fort Bragg, CA	11.2	8.4	10.2	Newport News, VA	15.5	6.8	11.1
Oriental-Vandemere, NC	7.1	5.4	10.0	Englehard-Swanquarter, NC	6.1	5.6	11.0

(1) Not available. *Record Record quantity was 848.2 million lb landed in Los Angeles, CA in 1960.

NOTE:--To avoid disclosure of private enterprise certain leading ports have not been included.

U.S. COMMERCIAL LANDINGS

COMMERCIAL CATCH BY U.S.-FLAG VESSELS LANDED AT FOREIGN PORTS OR TRANSFERS TO INTERNAL WATER PROCESSING VESSELS, 1993 AND 1994

SPECIES	1993			1994		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
FINFISH:						
AMBERJACK.....	-	-	-	1,075	488	1,075
GROUPERS.....	336	152	655	8,980	4,073	19,307
HALIBUT.....	1,571	713	1,481	1,736	787	2,480
HERRING, SEA.....	14,676	6,657	807	6,292	2,854	315
MENHADEN.....	22,784	10,335	911	-	-	-
SHARKS, OTHER.....	-	-	-	425	193	212
SNAPPERS, OTHER...	340	154	765	32,880	14,914	64,116
TUNA:						
ALBACORE.....	2,841	1,289	3,120	2,493	1,131	2,715
BIGEYE.....	5,441	2,468	2,397			
SKIPJACK.....	337,399	153,043	135,962	330,628	149,972	142,591
YELLOWFIN.....	86,907	39,421	37,005	154,741	70,190	75,724
UNCLASSIFIED....	-	-	-	1	(1)	1
TOTAL, TUNA...	*432,588*	*196,221*	*178,484*	*487,863*	*221,293*	*221,031*
MARINE FISH, OTHER	23	10	51	-	-	-
TOTAL FINFISH..	*472,318*	*203,897*	*182,192*	*539,251*	*244,602*	*308,536*
TOTAL, SHELLFISH OTHER.....	*4,519*	*2,050*	*12,201*	*4,468*	*2,027*	*23,457*
GRAND TOTAL.....	*476,837*	*216,292*	*194,393*	*543,719*	*246,629*	*331,993*

(1) LESS THAN 1 METRIC TONS.

DOMESTIC LANDINGS FOR U.S. TERRITORIAL POSSESSIONS, 1994 (1)

Species	Puerto Rico		Guam	
Fish	Pounds	Dollars	Pounds	Dollars
Ballyhoo	20,331	21,358	-	-
Barracuda	11,335	18,761	2,574	4,184
Dolphinfish	60,484	90,116	109,802	186,506
Emperors	-	-	1,228	3,208
Goatfish	9,841	15,917	-	-
Groupers	11,406	20,339	5,643	11,369
Grunts	115,111	125,956	-	-
Hogfish	51,067	73,624	-	-
Jacks, unclassified	62,820	87,072	4,733	9,456
Mackerel, king and cero	120,945	192,846	-	-
Marlin	1,869	996	62,452	66,120
Mojarra	21,144	31,113	-	-
Mullet (black or silver)	21,496	25,621	1,798	4,296
Parrotfish	75,249	73,355	1,205	3,303
Reef fish	-	-	1,602	3,395
Sailfish	-	-	1,832	2,456
Scup or porgy	18,478	29,157	-	-
Shad, bigeye	-	-	1,042	3,098
Sharks, other	30,267	44,685	341	170
Snappers:				
Ehu	-	-	1,652	6,446
Lane	88,617	160,195	-	-
Lehi	-	-	5,390	22,154
Mutton	50,823	94,630	-	-
Onaga	-	-	3,963	19,433
Opakapakas	-	-	3,708	14,357
Silk	212,000	476,307	-	-
Yellowtail	145,362	244,983	-	-
Other	130,177	211,308	3,770	13,328
Total snappers	***626,979***	***1,187,423***	***18,483***	***75,718***
Snook	36,791	56,797	-	-
Squirrelfish	14,980	28,080	-	-
Tarpon	3,218	2,593	-	-
Triggerfish	39,182	69,289	-	-
Trunkfish (boxfish)	59,051	108,268	-	-
Tuna:				
Skipjack	9,036	8,555	45,572	44,416
Yellowfin	18,300	18,517	49,729	120,856
Unclassified	24,846	26,429	3,488	6,780
Total tuna	***52,182***	***53,501***	***98,789***	***172,052***
Wahoo	2,359	3,702	72,316	156,392
Other marine finfishes	473,554	724,108	20,327	44,925
Freshwater fish, other	139	86	-	-
Total, fish	***1,940,278***	***3,084,763***	***404,167***	***746,648***

(Continued on next page)

U.S. COMMERCIAL LANDINGS

DOMESTIC LANDINGS FOR U.S. TERRITORIAL POSSESSIONS, 1994 (1)

Species	Puerto Rico		Guam	
SHELLFISH	Pounds	Dollars	Pounds	Dollars
Crabs:				
Blue, hard	4,837	17,957	-	-
Other	5,194	11,035	-	-
Total crabs	***10,031***	***28,992***	-	-
Lobster, spiny	302,847	805,916	215	851
Conch (snail) meats	120,104	248,544	-	-
Oysters	451	1,220	-	-
Other shellfish	43,044	97,481	648	1,795
Total, shellfish et al	***476,477***	***1,182,153***	***863***	***2,646***
Grand total	***2,416,755***	***4,266,916***	***405,030***	***749,294***

Species	American Samoa		Northern Marianas Islands	
Fish	Pounds	Dollars	Pounds	Dollars
Ballyhoo	-	-	-	-
Barracuda	4,441	7,204	-	-
Dolphinfish	10,955	19,600	14,758	26,500
Emperors	9,145	18,341	1,663	3,760
Goatfish	11	14	591	1,795
Groupers	3,979	7,673	3,514	8,604
Grunts	-	-	-	-
Hogfish	-	-	-	-
Jacks, unclassified	3,313	5,926	1,887	4,143
Mackerel, king and cero	-	-	-	-
Marlin	14,023	23,968	2,342	2,702
Mojarra	-	-	-	-
Mullet (black or silver)	-	-	-	-
Parrotfish	2,547	5,583	11,161	20,822
Reef fish	1,192	2,612	3,166	7,178
Sailfish	1,705	4,775	86	119
Scup or porgy	-	-	-	-
Shad, bigeye	-	-	3,258	8,120
Sharks, other	4,288	7,083	-	-
Snappers:				
Ehu	3,025	6,873	-	-
Lane	-	-	-	-
Lehi	1,522	3,388	-	-
Mutton	-	-	-	-
Onaga	2,780	5,769	4,069	16,378

(Continued on next page)

DOMESTIC LANDINGS FOR U.S. TERRITORIAL POSSESSIONS, 1994 (1)

Species	American Samoa		Northern Marianas Islands	
Fish	Pounds	Dollars	Pounds	Dollars
Snappers - Continued:				
Opakapakas	2,720	6,706	732	1,828
Silk	-	-	-	-
Yellowtail	-	-	-	-
Other	11,655	22,948	51	130
Total snappers	***21,702***	***45,684***	***4,852***	***18,336***
Snook	-	-	-	-
Squirrelfish	721	1,315	196	398
Tarpon	-	-	-	-
Triggerfish	11	14	-	-
Trunkfish (boxfish)	-	-	-	-
Tuna:				
Skipjack	148,852	152,941	85,422	145,286
Yellowfin	50,274	117,407	14,066	27,947
Unclassified	4,469	6,508	7,125	13,780
Total tuna	***203,595***	***276,856***	***106,613***	***187,013***
Wahoo	9,000	11,617	4,456	9,108
Other marine finfishes	1,287	2,221	223,301	546,884
Freshwater fish, other	-	-	-	-
Total, fish	***291,915***	***440,486***	***381,844***	***845,482***
SHELLFISH				
Crabs:				
Blue, hard	-	-	-	-
Other	34	120	-	-
Total crabs	***34***	***120***	-	-
Lobster, spiny	586	2,204	4,543	23,877
Conch (snail) meats	-	-	-	-
Oysters	-	-	-	-
Other shellfish	-	-	906	4,682
Total, shellfish et al	***620***	***2,324***	***5,449***	***28,559***
Grand total	***292,535***	***442,810***	***387,293***	***874,041***

(1) Data in this table are preliminary and represent the latest information available.

ESTIMATED U.S. AQUACULTURE PRODUCTION, 1983 - 1994

Species	1983			1984			1985		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Finfish:									
Baitfish.....	22,046	10,000	44,000	23,598	10,704	47,045	24,807	11,252	51,280
Catfish.....	137,250	62,256	83,860	154,255	69,970	106,899	191,616	86,916	138,922
Salmon.....	1,836	833	2,548	2,675	1,213	3,414	3,921	1,779	5,465
Trout.....	48,400	21,954	50,000	49,940	22,653	54,435	50,600	22,952	55,154
Shellfish:									
Clams.....	1,680	762	6,368	2,088	947	6,670	1,999	907	4,698
Crawfish.....	69,498	31,524	32,664	66,280	30,064	27,936	65,011	29,489	29,350
Mussels.....	738	335	340	782	355	309	1,210	549	642
Oysters.....	19,416	8,807	32,034	25,365	11,505	47,906	21,906	9,936	38,882
Shrimp (FW)....	275	125	1,500	317	144	1,698	267	121	1,541
Shrimp (SW)....	255	116	510	528	239	874	440	200	1,566
Miscellaneous....	7,000	3,175	7,000	9,900	4,491	9,900	14,000	6,350	20,000
Totals.....	***308,394***	***139,887***	***260,824***	***335,728***	***152,285***	***307,086***	***375,777***	***170,451***	***347,500***

Species	1986			1987			1988		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Finfish:									
Baitfish.....	25,807	11,706	51,522	26,000	11,794	71,500	26,400	11,975	71,000
Catfish.....	213,756	96,959	142,789	280,496	127,232	173,347	295,109	133,861	225,463
Salmon.....	2,878	1,305	4,399	4,024	1,825	7,462	6,777	3,074	20,647
Trout.....	51,000	23,133	55,590	56,247	25,513	57,556	56,032	25,416	57,927
Shellfish:									
Clams.....	2,564	1,163	8,173	2,409	1,093	10,311	2,128	965	11,320
Crawfish.....	69,834	31,676	35,009	70,000	31,752	29,400	65,848	29,868	24,364
Mussels.....	1,175	533	1,032	1,164	528	1,024	1,064	483	1,130
Oysters.....	24,475	11,102	49,666	23,926	10,853	49,549	24,398	11,067	58,900
Shrimp (FW)....	178	81	893	200	91	1,250	286	130	1,922
Shrimp (SW)....	1,354	614	1,687	2,656	1,205	3,408	2,200	998	7,609
Miscellaneous....	15,500	7,031	21,700	17,050	7,734	32,285	20,000	9,072	40,000
Totals.....	***408,521***	***185,304***	***372,460***	***484,172***	***219,619***	***437,092***	***500,242***	***226,909***	***520,282***

ESTIMATED U.S. AQUACULTURE PRODUCTION, 1983 - 1994

Species	1989			1990			1991		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Finfish:									
Baitfish.....	24,005	10,889	62,489	21,610	9,802	53,978	21,182	9,608	55,948
Catfish.....	341,900	155,085	245,142	360,435	163,492	273,210	390,870	177,297	246,639
Salmon.....	8,504	3,857	23,742	9,069	4,114	26,341	16,753	7,599	44,156
Trout.....	55,528	25,187	60,041	56,816	25,772	64,640	59,422	26,954	59,142
Shellfish:									
Clams.....	2,370	1,075	12,721	3,680	1,669	13,486	3,784	1,716	11,133
Crawfish.....	66,000	29,937	20,460	71,000	32,205	34,000	60,585	27,481	33,285
Mussels.....	618	280	1,136	607	275	1,173	210	95	947
Oysters.....	22,255	10,095	58,082	22,192	10,066	77,949	20,632	9,359	63,463
Shrimp (FW)....	350	159	2,537	406	184	2,407	406	184	2,407
Shrimp (SW)....	1,500	680	7,551	1,984	900	7,937	3,527	1,600	14,110
Miscellaneous.....	25,000	11,340	45,600	24,732	11,218	99,991	26,735	12,127	104,998
Totals.....	***548,030***	***248,584***	***539,501***	***572,531***	***259,697***	***655,112***	***604,106***	***274,020***	***636,228***

Species	*1992*			*1993*		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Finfish:						
Baitfish.....	20,618	9,352	61,183	20,574	9,332	63,033
Catfish.....	457,367	207,460	273,506	495,758	224,874	352,895
Salmon.....	23,937	10,858	75,193	25,279	11,466	68,358
Trout.....	56,264	25,521	53,942	54,642	24,785	54,309
Shellfish:						
Clams.....	4,282	1,942	11,539	6,125	2,778	12,096
Crawfish.....	63,032	28,591	34,860	56,784	25,757	28,518
Mussels.....	282	128	1,162	308	140	927
Oysters.....	23,986	10,880	82,432	24,399	11,067	76,139
Shrimp (FW).....	324	147	1,728	350	159	2,006
Shrimp (SW).....	4,409	2,000	17,637	6,614	3,000	26,455
Miscellaneous.....	36,681	16,638	111,005	24,713	11,210	125,121
Totals.....	***691,182***	***313,518***	***724,187***	***715,545***	***324,569***	***809,857***

NOTE:--Table may not add due to rounding. Clams, oysters and mussels are reported as meat weights (excludes shell) while other identified species such as shrimp are reported as whole (live) weights. Some clam and oyster aquaculture production are reported with U.S. commercial landings. Only pen-reared aquaculture production is indicated for salmon. Weights and values usually represent final sales of products to processors and dealers. Shrimp (freshwater) are primarily Macrobrachium rosenbergii and shrimp (saltwater) are primarily Pacific white shrimp (Penaeus vannamei). Miscellaneous includes ornamental fish, alligators, algae, aquatic plants, hybrid striped bass, tilapia, and others.

Source:--Fisheries Statistics Division, F/RE1, NMFS.

SUMMARY OF NEW ENGLAND POLLOCK LANDINGS, BY STATE, 1950-1994

YEAR	MAINE		NEW HAMPSHIRE		MASSACHUSETTS	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	6,950	160	2	(1)	18,504	662
1951	5,972	207	8	(1)	16,682	792
1952	7,052	190	14	1	19,816	801
1953	5,634	133	-	-	18,254	590
1954	4,529	105	-	-	15,862	526
1955	5,416	125	-	-	17,721	610
1956	5,586	125	-	-	17,421	576
1957	3,720	97	-	-	18,304	678
1958	4,364	141	-	-	28,512	1,269
1959	3,689	113	-	-	20,824	868
1960	3,975	107	5	(1)	18,306	639
1961	3,206	103	5	(1)	18,171	691
1962	2,569	83	8	(1)	13,716	600
1963	2,489	73	10	(1)	12,093	597
1964	1,312	44	8	(1)	11,954	613
1965	1,093	47	10	1	10,583	672
1966	1,076	52	12	1	7,608	452
1967	1,095	55	15	1	6,133	352
1968	1,398	55	4	(1)	5,589	342
1969	1,212	50	3	(1)	7,796	460
1970	811	49	3	(1)	7,942	640
1971	890	55	2	(1)	9,960	773
1972	1,326	93	11	(1)	11,322	1,041
1973	2,357	187	792	111	11,565	1,243
1974	3,594	328	983	98	14,854	1,633
1975	5,917	547	1,079	129	13,870	1,803
1976	7,717	874	1,157	164	14,861	2,147
1977	10,685	1,406	1,208	191	16,431	2,441
1978	15,467	2,446	1,923	304	21,763	3,834
1979	13,139	2,305	1,363	244	19,816	4,036
1980	12,860	2,097	2,395	375	23,931	4,623
1981	13,713	2,882	1,960	406	24,045	5,416
1982	12,006	2,183	1,269	234	18,156	4,020
1983	11,113	1,724	1,319	165	18,230	3,466
1984	14,615	2,025	2,648	395	22,194	4,010
1985	12,517	1,702	1,647	229	29,022	5,002
1986	11,044	2,799	2,372	696	40,759	10,486
1987	15,880	6,216	2,205	741	27,357	10,858
1988	9,850	3,503	2,954	796	20,078	6,702
1989	6,147	2,838	2,108	822	14,961	6,246
1990	5,663	2,906	1,700	870	13,612	6,741
1991	6,972	3,879	1,118	616	9,145	5,355
1992	7,524	5,131	1,162	743	7,060	4,616
1993	5,574	3,732	1,223	838	5,596	3,736
1994	3,047	2,686	959	769	4,175	3,231

(CONTINUED ON NEXT PAGE)

SUMMARY OF NEW ENGLAND POLLOCK LANDINGS, BY STATE, 1950-1994

YEAR	RHODE ISLAND		CONNECTICUT		TOTAL, NEW ENGLAND	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	147	5	6	(1)	25,609	827
1951	45	2	4	(1)	22,711	1,001
1952	67	4	4	(1)	26,953	996
1953	13	1	(1)	(1)	23,901	724
1954	8	(1)	(1)	(1)	20,399	631
1955	20	1	(1)	(1)	23,157	736
1956	11	(1)	-	-	23,018	701
1957	7	(1)	-	-	22,031	775
1958	11	(1)	(1)	(1)	32,887	1,410
1959	22	1	-	-	24,535	982
1960	39	1	2	(1)	22,327	747
1961	14	1	3	(1)	21,399	795
1962	22	1	16	1	16,331	685
1963	9	(1)	-	-	14,601	670
1964	8	(1)	1	(1)	13,283	657
1965	20	1	-	-	11,706	721
1966	51	2	2	(1)	8,749	507
1967	51	2	-	-	7,294	410
1968	58	3	-	-	7,049	400
1969	56	3	-	-	9,067	513
1970	32	2	-	-	8,788	691
1971	20	1	(1)	(1)	10,872	829
1972	24	2	-	-	12,683	1,136
1973	27	2	-	-	14,741	1,543
1974	86	10	(1)	(1)	19,517	2,069
1975	55	7	-	-	20,921	2,486
1976	69	9	-	-	23,804	3,194
1977	239	33	2	1	28,565	4,072
1978	389	68	1	(1)	39,543	6,652
1979	150	27	1	(1)	34,469	6,612
1980	252	37	10	2	39,448	7,134
1981	147	27	16	3	39,881	8,734
1982	202	35	-	-	31,633	6,472
1983	125	23	10	2	30,797	5,380
1984	198	32	-	-	39,655	6,462
1985	375	56	-	-	43,561	6,989
1986	113	20	-	-	54,288	14,001
1987	112	43	1	1	45,555	17,859
1988	151	40	1	(1)	33,034	11,041
1989	77	24	1	(1)	23,294	9,930
1990	93	38	2	1	21,070	10,556
1991	146	71	1	1	17,382	9,922
1992	65	35	7	4	15,818	10,529
1993	102	48	3	1	12,498	8,355
1994	18	11	-	-	8,199	6,697

(1) LESS THAN 500 LB OR $500.

SUMMARY OF MIDDLE ATLANTIC POLLOCK LANDINGS, BY STATE, 1950-1994

YEAR	NEW YORK		NEW JERSEY		TOTAL, MIDDLE ATLANTIC	
	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars
1950	36	2	5	(1)	41	2
1951	6	1	1	(1)	7	1
1952	2	(1)	1	(1)	3	(1)
1953	8	1	2	(1)	10	1
1954	3	(1)	8	(1)	11	(1)
1955	1	(1)	2	(1)	3	(1)
1956	1	(1)	1	(1)	2	(1)
1957	3	(1)	1	(1)	4	(1)
1958	3	(1)	3	(1)	6	(1)
1959	7	1	1	(1)	8	1
1960	5	(1)	2	(1)	7	(1)
1961	6	(1)	1	(1)	7	(1)
1962	1	(1)	1	(1)	2	(1)
1963	5	(1)	2	(1)	7	(1)
1964	2	(1)	2	(1)	4	(1)
1965	3	(1)	1	(1)	4	(1)
1966	1	(1)	1	(1)	2	(1)
1967	2	(1)	2	(1)	4	(1)
1968	7	(1)	3	(1)	10	(1)
1969	3	(1)	2	(1)	5	(1)
1970	2	(1)	1	(1)	3	(1)
1971	5	(1)	1	(1)	6	(1)
1972	0	(1)	1	(1)	1	(1)
1973	3	(1)	1	(1)	4	(1)
1974	7	1	1	(1)	8	1
1975	5	1	4	1	9	2
1976	5	1	1	(1)	6	1
1977	19	3	7	1	26	4
1978	24	5	1	(1)	25	5
1979	18	5	2	(1)	20	5
1980	12	3	1	(1)	13	3
1981	9	2	1	(1)	10	2
1982	3	1	4	1	7	2
1983	3	1	1	(1)	4	1
1984	10	3	6	(1)	16	3
1985	4	(1)	1	(1)	5	(1)
1986	2	(1)	1	(1)	3	(1)
1987	1	(1)	(1)	(1)	1	(1)
1988	(1)	(1)	(1)	(1)	(1)	(1)
1989	3	1	(1)	(1)	3	1
1990	(1)	(1)	2	1	2	1
1991	4	3	(1)	(1)	4	3
1992	19	10	(1)	(1)	19	10
1993	11	10	1	(1)	12	10
1994	32	27	(1)	(1)	32	27

(1) LESS THAN 500 LB OR $500.

SUMMARY OF CHESAPEAKE POLLOCK LANDINGS, BY STATE, 1953-1994

YEAR	MARYLAND		VIRGINIA		TOTAL, CHESAPEAKE	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1953	-	-	1	(1)	1	(1)
1954	-	-	1	(1)	1	(1)
1955	-	-	(1)	(1)	(1)	(1)
1956	-	-	3	(1)	3	(1)
1957	-	-	(1)	(1)	(1)	(1)
1958	-	-	2	(1)	2	(1)
1959	-	-	2	(1)	2	(1)
1960	-	-	(1)	(1)	(1)	(1)
1961	-	-	(1)	(1)	(1)	(1)
1962	-	-	(1)	(1)	(1)	(1)
1972	-	-	(1)	(1)	(1)	(1)
1977	-	-	1	(1)	1	(1)
1979	-	-	(1)	(1)	(1)	(1)
1980	-	-	1	(1)	1	(1)
1981	-	-	1	(1)	1	(1)
1982	-	-	1	(1)	1	(1)
1983	(1)	(1)	1	(1)	1	(1)
1984	-	-	(1)	(1)	(1)	(1)
1985	-	-	1	(1)	1	(1)
1989	-	-	(1)	(1)	(1)	(1)
1990	-	-	(1)	(1)	(1)	(1)
1992	-	-	(1)	(1)	(1)	(1)
1993	-	-	(1)	(1)	(1)	(1)
1994	-	-	7	6	7	6

(1) LESS THAN 500 LB OR $500.

SUMMARY OF PACIFIC POLLOCK LANDINGS, BY STATE, 1965-1994

YEAR	ALASKA		WASHINGTON		OREGON		TOTAL, PACIFIC COAST	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1965	-	-	146	2	-	-	146	2
1966	-	-	267	4	-	-	267	4
1967	-	-	96	2	-	-	96	2
1968	-	-	348	5	-	-	348	5
1969	-	-	558	10	-	-	558	10
1970	-	-	427	5	-	-	427	5
1971	-	-	102	5	-	-	102	5
1972	-	-	133	8	-	-	133	8
1973	-	-	109	8	-	-	109	8
1974	-	-	126	8	-	-	126	8
1975	-	-	46	4	-	-	46	4
1976	410	82	94	7	-	-	504	89
1977	445	45	294	29	-	-	740	73
1978	2,352	141	1,332	164	-	-	3,684	305
1979	4,478	351	1,053	107	-	-	5,531	457
1980	2,261	149	926	90	-	-	3,186	239
1981	1,757	124	2,113	206	-	-	3,870	329
1982	5,312	351	395	35	-	-	5,707	387
1983	2,369	113	1,161	119	-	-	3,531	232
1984	15,665	909	8,622	880	1	(1)	24,288	1,788
1985	79,817	2,114	6,079	562	-	-	85,896	2,675
1986	158,370	6,788	1,783	189	2	(1)	160,154	6,977
1987	478,184	42,119	222	54	-	-	478,406	42,173
1988	1,143,645	118,883	70	13	-	-	1,143,715	118,896
1989	2,192,155	212,975	56	10	-	-	2,192,211	212,985
1990	2,849,643	231,187	3,379	659	-	-	2,853,023	231,846
1991	3,343,589	291,925	7,557	2,954	-	-	3,351,146	294,879
1992	3,078,401	388,143	23	3	-	-	3,078,424	388,146
1993	3,257,989	358,378	1	(1)	-	-	3,257,990	358,378
1994	3,124,471	375,920	60	6	-	-	3,124,531	375,926

(1) LESS THAN $500.

NOTE:--DATA REPRESENTS THE LATEST INFORMATION AVAILABLE. NO COMMERCIAL LANDINGS WERE REPORTED PRIOR TO 1965.

SUMMARY OF POLLOCK LANDINGS, BY SPECIES, 1950-1994

YEAR	ATLANTIC POLLOCK		PACIFIC (WALLEYE) POLLOCK		GRAND TOTAL	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1950	25,650	829	-	-	25,650	829
1951	22,718	1,002	-	-	22,718	1,002
1952	26,956	996	-	-	26,956	996
1953	23,912	725	-	-	23,912	725
1954	20,411	631	-	-	20,411	631
1955	23,160	736	-	-	23,160	736
1956	23,023	701	-	-	23,023	701
1957	22,035	775	-	-	22,035	775
1958	32,895	1,410	-	-	32,895	1,410
1959	24,545	983	-	-	24,545	983
1960	22,334	747	-	-	22,334	747
1961	21,406	795	-	-	21,406	795
1962	16,333	685	-	-	16,333	685
1963	14,608	670	-	-	14,608	670
1964	13,287	657	-	-	13,287	657
1965	11,710	721	146	2	11,856	723
1966	8,751	507	267	4	9,018	511
1967	7,298	410	96	2	7,394	412
1968	7,059	400	348	5	7,407	405
1969	9,072	513	558	10	9,630	523
1970	8,791	691	427	5	9,218	696
1971	10,878	829	102	5	10,980	834
1972	12,684	1,136	133	8	12,817	1,144
1973	14,745	1,543	109	8	14,854	1,551
1974	19,525	2,070	126	8	19,651	2,078
1975	20,930	2,488	46	4	20,976	2,492
1976	23,810	3,195	504	89	24,314	3,284
1977	28,592	4,076	740	73	29,332	4,149
1978	39,568	6,657	3,684	305	43,252	6,962
1979	34,489	6,617	5,531	457	40,020	7,074
1980	39,462	7,137	3,186	239	42,648	7,376
1981	39,892	8,736	3,870	329	43,762	9,065
1982	31,641	6,474	5,707	3,876	37,348	10,350
1983	30,802	5,381	3,531	232	34,333	5,613
1984	39,671	6,465	24,288	1,788	63,959	8,253
1985	43,567	6,989	85,896	2,675	129,463	9,664
1986	54,291	14,001	160,154	6,977	214,445	20,978
1987	45,556	17,859	478,406	42,173	523,962	60,032
1988	33,034	11,041	1,143,715	118,896	1,176,749	129,937
1989	23,297	9,931	2,192,211	212,985	2,215,508	222,916
1990	21,072	10,557	2,853,023	231,846	2,874,095	242,403
1991	17,386	9,925	3,351,146	294,879	3,368,532	304,804
1992	15,837	10,539	3,078,424	388,146	3,094,261	398,685
1993	12,510	8,365	3,257,990	358,378	3,270,500	366,743
1994	8,238	6,730	3,124,531	375,926	3,132,769	382,656

(1) LESS THAN $500.

NOTE:--DATA REPRESENTS THE LATEST INFORMATION AVAILABLE. NO COMMERCIAL LANDINGS OF PACIFIC (WALLEYE) POLLOCK WERE REPORTED PRIOR TO 1965.

DATA COLLECTION. While data on commercial fisheries have been collected for many years, detailed statistical information on marine recreational fishing is also required to support a variety of fishery management and development purposes. These include the objectives of the Magnuson Fishery Conservation and Management Act, Public Law 94-265, as amended. However, prior to 1979, the lack of a continuous and systematic collection of marine recreational fishery data prevented the accomplishment of these goals. Therefore, NMFS began a new comprehensive Marine Recreational Fishery Statistical Survey (MRFSS) in 1979. Data collected through the MRFSS show that recreational fisheries can have a tremendous impact on fish stocks. For several important management species recreational landings surpass commercial landings. Surveys have been conducted in the following areas and years:

Atlantic and Gulf, 1979 through 1994;
Pacific, mid-1979 through 1989, 1993,1994;
Western Pacific, 1979 through 1981;
Caribbean, 1979, 1981.

Preliminary estimates of catch and trips from the MRFSS for the Atlantic/Gulf and Pacific coasts for 1994 are presented in the following tables. Summary graphs for 1986-1994 (Atlantic/Gulf) and 1982-1994 (Pacific) catch and trips are also shown. Historical data shown in these graphs differ from previously published data due to data revisions. These revisions which involved changes in statistical estimation procedures and cleaning the data thoroughly have improved the accuracy and overall quality of the MRFSS estimates. The survey is being conducted in 1995 along the coast of the entire continental United States except the states of Washington and Texas.

The MRFSS data collection consists of an intercept survey of anglers in the field and an independent telephone survey of coastal county households. These independent components, along with census information, are combined to produce estimates of recreational catch, fishing effort, and participation. Estimates are generated by subregion, state, species, mode and area of fishing. In addition, information on catch rates and measurements of fish lengths and weights are obtained.

The MRFSS is only one of several NMFS programs which collect data on recreational fisheries. Specialized surveys which target important management species are also conducted.

DATA TABLES. The total number of fish caught is presented for twenty commonly caught species groups on the Atlantic, Gulf, and Pacific coasts. Total number caught includes those fish which were brought ashore in whole form and were available for identification, weighing, and measuring as well as those fish which were not available for identification. This latter category includes those fish which were used for bait, discarded, filleted or released alive. Each species group may contain one or more species, genera, or families.

Total catch is distributed by subregion, fishing area and mode. The fishing areas are; ocean 3 miles or less from land, ocean more than 3 miles from land, and inland (sounds, rivers, bays). However, ocean data for the Gulf coast of Florida are reported as 10 miles or less from land and more than 10 miles from land.

The fishing modes are; shore (man-made structures and beach/bank), party/charter boat, and private/rental boat. In 1994 partyboats were not sampled by the MRFSS in the South Atlantic and Gulf subregions; therefore estimated catches are given for charterboats only for these subregions.

Trip estimates and participation estimates are presented for coastal residents (generally residing within 25 miles of the coast), non-coastal residents, and non-residents fishing outside of their home state. Estimated number of trips are also shown by fishing mode.

The 1994 survey did not include the states of Texas or Washington. Sampling was not conducted during January/February in the Atlantic coast states north of Florida, or in November/December in states north of Massachusetts. More detailed information will be available in a separate MRFSS report to be published later.

PRELIMINARY 1994 MRFSS DATA. The U.S. marine recreational finfish catch in 1994 (excluding Alaska, Hawaii, Washington, Texas, and Pacific coast salmon) was an estimated 361.9 million fish. Approximately one-half of these fish were released alive. The total marine recreational finfish harvest (excluding fish released alive) was an estimated 173.2 million fish weighing an estimated 199.0 million pounds. These fish were taken on an estimated 66.1 million fishing trips. Seventy-nine percent of these trips were taken by residents of the state the fishing trip was made from.

The Atlantic and Gulf coasts accounted for over 91 percent of the total U.S. marine recreational finfish catch by number and for 87 percent of the fishing trips.

The private/rental boat mode accounted for 61 percent of the total U.S. marine recreational finfish catch by number while shore and party/charter modes made up 30 and 9 percent, respectively.

Atlantic and Gulf. Commonly caught species in 1994 were herrings (primarily used for bait), Atlantic croaker, spotted seatrout, spot, summer flounder, pinfish, and saltwater catfish. Top-ranked non-bait species by subregion were striped bass in the North Atlantic, Atlantic croaker in the Mid-Atlantic, spot in the South Atlantic, and spotted seatrout in the Gulf of Mexico. By subregion the Gulf of Mexico accounted for the highest numbers of fish caught (44%) followed by the Mid-Atlantic (27%).

Thirty-four percent of the Atlantic and Gulf coast recreational fishing trips were made in South Atlantic, thirty percent in Gulf of Mexico, twenty-four percent in Mid-Atlantic, and ten percent in North Atlantic. Fifty-six percent of all Atlantic and Gulf trips were made from boat modes while 44 percent were shore based trips.

The most commonly caught non-bait species in 1994 by mode were spot from shore mode, spotted seatrout from charterboat mode (South Atlantic and Gulf only), black sea bass from party/charterboat mode (North and Mid- Atlantic subregions only), and spotted seatrout from private/rental boat mode. Private/rental boat trips accounted for 50 percent of all fish caught recreationally on the Atlantic and Gulf coasts.

Ten percent of the total marine recreational catch on the Atlantic and Gulf coasts came from the EEZ. The most commonly caught species in federally managed waters were red snapper, black sea bass, Atlantic cod, scup, and bluefish.

Pacific. Commonly caught species in 1994 were Pacific mackerel, kelp bass, barred sand bass, blue rockfish, and surf smelt. Top-ranked species by subregion were Pacific mackerel in Southern California, surf smelt in Northern California, and black rockfish in Oregon. By subregion Southern California accounted for the highest numbers of fish caught (79%) followed by Northern California (16%) and Oregon (5%).

Sixty-eight percent of the Pacific coast recreational fishing trips (excluding Washington and salmon trips) were made in Southern California. Over two-thirds of all Pacific coast trips were taken from boat modes while 32 percent were from the shore.

The top ranked species in 1994 by mode were surf smelt from the shore mode, kelp bass from the party/charterboat mode, and Pacific mackerel from the private/rental boat mode. Private/rental boat trips accounted for 38 percent of all fish caught recreationally on the Pacific coast.

Twenty percent of the total marine recreational catch on the Pacific coast came from the EEZ. The most commonly caught Pacific coast species in federally managed waters for 1994 were Pacific mackerel, kelp bass, and boccacio. Seventy percent of the Pacific coast marine recreational catch came from the ocean within three miles from shore (state waters).

ESTIMATED NUMBER OF PARTICIPANTS IN MARINE RECREATIONAL FISHING BY SUBREGION AND AREA OF RESIDENCE: ATLANTIC, GULF AND PACIFIC COASTS, JANUARY 1994 - DECEMBER 1994

Subregion	Coastal resident participants	Non-coastal resident participants	Out of State participants
	----------Thousands----------		
North Atlantic.....	730	78	574
Mid-Atlantic.....	2,027	121	1,068
South Atlantic.....	2,002	474	1,939
Gulf of Mexico.....	1,786	114	1,650
Total**.....**	***6,545***	***787***	***5,231***
Southern California.....	1,212	32	283
Northern California.....	375	2	112
Oregon.....	188	14	72
Total**.....**	***1,775***	***48***	***467***
Grand Total**.....**	***8,320***	***835***	***5,698***

Note:--Estimates for the Gulf of Mexico exclude Texas. Pacific coast estimates exclude Washington. "Out of State" subregion and region totals may be over-estimates as one angler can be counted as "Out of State" for more than one state.

ESTIMATED TOTAL NUMBER OF FISH CAUGHT BY MARINE RECREATIONAL ANGLERS BY SPECIES GROUP AND SUBREGION: ATLANTIC AND GULF COASTS, JANUARY 1994 - DECEMBER 1994

Species group	North Atlantic	Mid-Atlantic	South Atlantic	Gulf of Mexico	Total
			Thousands		
Herrings	238	467	3,390	30,589	34,685
Saltwater catfishes	*	-	3,046	11,337	14,384
Black sea bass	33	6,812	1,943	2,660	11,448
Bluefish	2,190	5,846	3,444	483	11,963
Red snapper	*	*	89	1,670	1,758
Scup	2,611	3,171	37	*	5,820
Pinfish	*	52	5,401	10,308	15,761
Sheepshead	*	-	1,585	2,591	4,181
Spotted seatrout	*	412	2,292	19,461	22,165
Weakfish	-	4,129	624	*	4,754
Sand seatrout	*	*	*	5,546	5,546
Spot	*	8,530	9,194	220	17,944
Kingfishes	-	837	2,897	1,052	4,789
Atlantic croaker	*	16,236	5,680	3,410	25,327
Red drum	*	-	1,609	5,932	7,554
Mullets	*	83	2,471	1,669	4,222
King mackerel	*	-	384	694	1,083
Summer flounder	1,034	15,320	392	*	16,745
Winter flounder	453	1,627	*	*	2,080
Atlantic cod	1,550	107	*	*	1,657
Striped bass	3,060	4,965	-	-	8,060
Other fishes	13,216	21,368	25,681	48,435	108,700
Total	*24,388*	*89,987*	*70,179*	*146,071*	*330,626*

Note:-- A dash (-) denotes an estimate of less than thirty thousand which is included in row and column totals. An asterisk (*) denotes none reported. Figures for the Gulf of Mexico do not include the recreational catch for Texas. Figures for the South Atlantic and Gulf of Mexico do not include catches for partyboats. Row and column totals may not add due to rounding.

ESTIMATED TOTAL NUMBER OF FISH CAUGHT BY MARINE RECREATIONAL ANGLERS BY SPECIES GROUP AND SUBREGION: PACIFIC COAST, JANUARY 1994 - DECEMBER 1994

Species Group	Southern California	Northern California	Oregon	Total
		Thousands		
Pacific herring	*	*	134	134
Surf smelt	*	920	138	1,058
Smelt, other	31	14	-	46
Walleye pollock	*	-	*	-
Jacksmelt	316	92	*	408
Kelp bass	2,352	*	*	2,352
Barred sand bass	1,732	*	*	1,732
White croaker	754	193	*	947
Queenfish	252	*	*	252
Walleye surfperch	64	64	-	130
Redtail surfperch	*	55	-	79
Barred surfperch	280	75	*	355
Pacific bonito	405	*	*	405
Pacific mackerel	6,852	60	*	6,912
Black rockfish	31	355	475	862
Blue rockfish	1,049	295	100	1,445
Boccacio	310	-	*	314
Olive rockfish	162	43	*	204
Rockfishes, other	3,879	859	349	5,087
Other fishes	6,182	1,838	528	8,548
Total	*24,652*	*4,866*	*1,753*	*31,271*

Note:-- A dash (-) denotes an estimate of less than thirty thousand which is included in row and column totals. An asterisk (*) denotes none reported. Row and column totals may not add due to rounding. Figures do not include salmon catches estimated by state recreational surveys. Recreational catches for Washington also not included here.

ESTIMATED NUMBER OF FISH CAUGHT BY MARINE RECREATIONAL ANGLERS BY SPECIES GROUP AND PRIMARY AREA OF FISHING TRIP: ATLANTIC AND GULF COASTS, JANUARY 1994 - DECEMBER 1994

Species group	Ocean				Inland	Total
	3 Miles or less	Over 3 miles	10 Miles or less	Over 10 Miles		
	Thousands					
Herrings	2,444	312	2,992	948	27,988	34,685
Saltwater catfishes	2,048	299	1,957	84	9,996	14,384
Black sea bass	815	4,322	1,301	894	4,116	11,448
Bluefish	4,444	875	222	-	6,419	11,963
Red snapper	81	1,249	132	274	-	1,758
Scup	1,125	987	*	*	3,708	5,820
Pinfish	2,455	252	3,493	742	8,819	15,761
Sheepshead	428	82	422	-	3,246	4,181
Spotted seatrout	2,423	279	3,974	129	15,360	22,165
Weakfish	714	453	*	*	3,587	4,754
Sand seatrout	743	434	916	-	3,446	5,546
Spot	8,290	119	28	*	9,507	17,944
Kingfishes	2,593	86	348	-	1,747	4,789
Atlantic croaker	4,430	515	456	*	19,926	25,327
Red drum	842	109	693	-	5,893	7,554
Mullets	1,302	73	417	38	2,392	4,222
King mackerel	109	369	355	200	50	1,083
Summer flounder	5,064	434	*	*	11,246	16,745
Winter flounder	193	-	*	*	1,863	2,080
Atlantic cod	272	1,115	*	*	271	1,657
Striped bass	1,430	369	*	-	6,257	8,060
Other fishes	17,697	9,136	19,885	9,305	52,677	108,700
Total	*59,942*	*21,895*	*37,591*	*12,661*	*198,537*	*330,626*

Note:--"Ocean 10 mi or less" and "ocean over 10 mi" refer only to the Florida Gulf coast where state jurisdiction extends to three marine leagues, approximately ten nautical miles. The total estimate is additive across four areas. A dash (-) denotes an estimate of less than thirty thousand which is included in row and column totals. An asterisk (*) denotes none reported. Row and column totals may not add due to rounding. Figures do not include any recreational catches for Texas or partyboat catches for the South Atlantic and Gulf of Mexico.

ESTIMATED NUMBER OF FISH CAUGHT BY MARINE RECREATIONAL ANGLERS BY SPECIES GROUP AND PRIMARY AREA OF FISHING TRIP: PACIFIC COAST, JANUARY 1994 - DECEMBER 1994

Species group	Ocean		Inland	All areas
	3 Miles or less	Over 3 miles		
	Thousands			
Pacific herring	-	*	134	134
Surf smelt	941	*	117	1,058
Smelts, other	36	*	-	46
Walleye pollock	-	*	*	-
Jacksmelt	281	-	123	408
Kelp bass	1,719	518	115	2,352
Barred sand bass	1,273	219	240	1,732
White croaker	702	62	184	947
Queenfish	242	*	-	252
Walleye surfperch	116	*	-	130
Redtail surfperch	77	*	-	79
Barred surfperch	350	*	-	355
Pacific bonito	327	77	-	405
Pacific mackerel	4,733	1,546	632	6,912
Black rockfish	823	-	-	862
Blue rockfish	1,333	112	*	1,445
Boccacio	56	258	*	314
Olive rockfish	186	-	*	204
Rockfishes, other	3,413	1,652	-	5,087
Other fishes	5,209	1,710	1,629	8,548
Total	*21,817*	*6,190*	*3,263*	*31,271*

Note:--A dash (-) denotes an estimate of less than thirty thousand which is included in row and column totals. An asterisk (*) denotes none reported. Row and column totals may not add due to rounding. Recreational catches for Washington and all salmon catches not included here.

U.S. MARINE RECREATIONAL FISHERIES

ESTIMATED TOTAL NUMBER OF FISH CAUGHT BY MARINE RECREATIONAL ANGLERS BY SPECIES GROUP AND FISHING MODE: ATLANTIC AND GULF COASTS, JANUARY 1994 - DECEMBER 1994

Species Group	Shore	Charter Boats	Party/ Charter Boats	Private/ Rental Boats	Total
			Thousands		
Herrings	12,838	-	-	21,813	34,685
Saltwater catfishes	3,952	145	*	10,288	14,384
Black sea bass	1,326	243	2,474	7,405	11,448
Bluefish	5,426	65	1,323	5,149	11,963
Red snapper	-	706	*	1,044	1,758
Scup	357	-	1,140	4,320	5,820
Pinfish	7,029	32	-	8,698	15,761
Sheepshead	1,128	126	*	2,927	4,181
Spotted seatrout	1,925	895	45	19,300	22,165
Weakfish	408	-	562	3,779	4,754
Sand seatrout	2,129	133	*	3,284	5,546
Spot	10,717	-	755	6,469	17,944
Kingfishes	3,023	-	-	1,741	4,789
Atlantic croaker	6,133	-	1,003	18,185	25,327
Red drum	955	189	*	6,410	7,554
Mullets	2,013	*	*	2,209	4,222
King mackerel	79	543	-	460	1,083
Summer flounder	1,266	-	1,795	13,682	16,745
Winter flounder	325	*	128	1,628	2,080
Atlantic cod	-	*	655	999	1,657
Striped bass	1,041	-	454	6,564	8,060
Other fishes	39,129	5,393	2,335	61,844	108,700
Total	101,211	8,526	12,690	208,198	330,626

Note:-- A dash (-) denotes an estimate of less than thirty thousand which is included in row and column totals. An asterisk (*) denotes none reported. Figures for Charter Boats include only catches in the South Atlantic and Gulf of Mexico excluding Texas. Figures for partyboats are only for the North Atlantic and Mid-Atlantic subregions. Row and colmun totals may not add due to rounding.

ESTIMATED TOTAL NUMBER OF FISH CAUGHT BY MARINE RECREATIONAL ANGLERS BY SPECIES GROUP AND FISHING MODE: PACIFIC COAST, JANUARY 1994 - DECEMBER 1994

Species Group	Shore	Party/ Charter Boats	Private/ rental boats	Total
		Thousands		
Pacific herring	133	*	-	134
Surf smelt	1,058	*	*	1,058
Smelt, other	36	*	-	46
Walleye pollock	*	*	-	-
Jacksmelt	364	-	39	408
Kelp bass	105	1,575	672	2,352
Barred sand bass	155	946	632	1,732
White croaker	319	131	497	947
Queenfish	247	*	-	252
Walleye surfperch	129	*	-	130
Redtail surfperch	78	*	*	79
Barred surfperch	354	*	-	355
Pacific bonito	30	191	184	405
Pacific mackerel	1,852	2,551	2,509	6,912
Black rockfish	36	301	525	862
Blue rockfish	-	669	765	1,445
Boccacio	-	254	53	314
Olive rockfish	-	59	145	204
Rockfishes, other	60	2,372	2,655	5,087
Other fishes	2,185	2,522	3,841	8,548
Total	*7,158*	*11,578*	*12,536*	*31,271*

Note:-- A dash (-) denotes an estimate of less than thirty thousand which is included in row and column totals. An asterisk (*) denotes none reported. Row and column totals may not add due to rounding. Figures do not include salmon catches estimated by state recreational surveys. Recreational catches for Washington also not included here.

ESTIMATED TOTAL NUMBER OF FISHING TRIPS BY MARINE RECREATIONAL ANGLERS BY SUBREGION AND AREA OF RESIDENCE: ATLANTIC, GULF AND PACIFIC COASTS, JANUARY 1994 - DECEMBER 1994

Subregion	Trips by coastal residents	Trips by non-coastal residents	Non-resident trips	All Trips
	Thousands			
North Atlantic	4,190	322	1,506	6,018
Mid-Atlantic	11,706	386	3,008	15,100
South Atlantic	13,648	1,405	4,368	19,421
Gulf of Mexico	12,693	288	4,237	17,218
Total	*42,237*	*2,401*	*13,119*	*57,757*
Southern California	5,082	96	511	5,689
Northern California	1,696	10	391	2,097
Oregon	462	22	102	586
Total	*7,240*	*128*	*1,004*	*8,372*
Grand Total	*49,477*	*2,529*	*14,123*	*66,129*

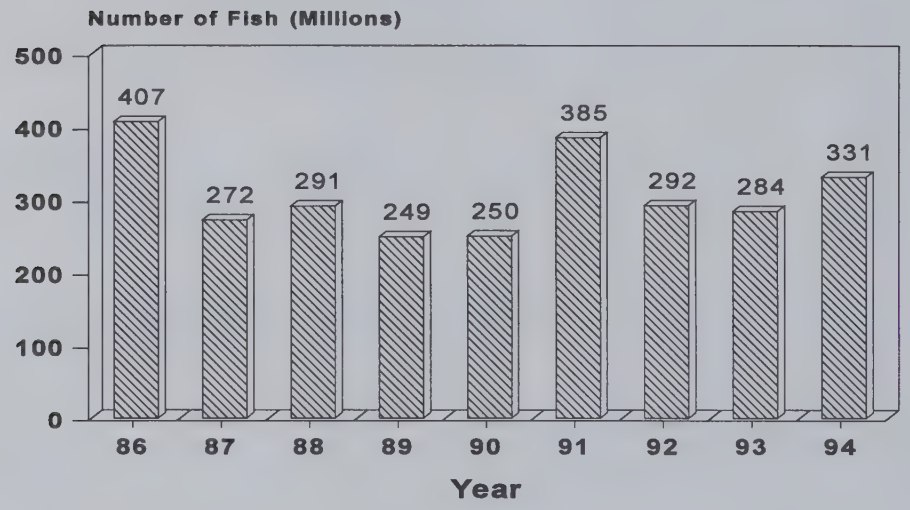
Note:--Estimates for the Gulf of Mexico exclude Texas. Estimates for the South Atlantic and Gulf of Mexico subregions exclude partyboat trips. Estimates also exclude January/February trips in the North Atlantic subregion and the South Atlantic states north of Florida, as well as November/December trips in the North Atlantic states north of Massachusetts. Pacific coasts estimates do not include salmon fishing trips or Washington trips.

ESTIMATED TOTAL NUMBER OF FISHING TRIPS BY MARINE RECREATIONAL ANGLERS BY SUBREGION AND MODE OF FISHING: ATLANTIC, GULF AND PACIFIC COASTS, JANUARY 1994 - DECEMBER 1994

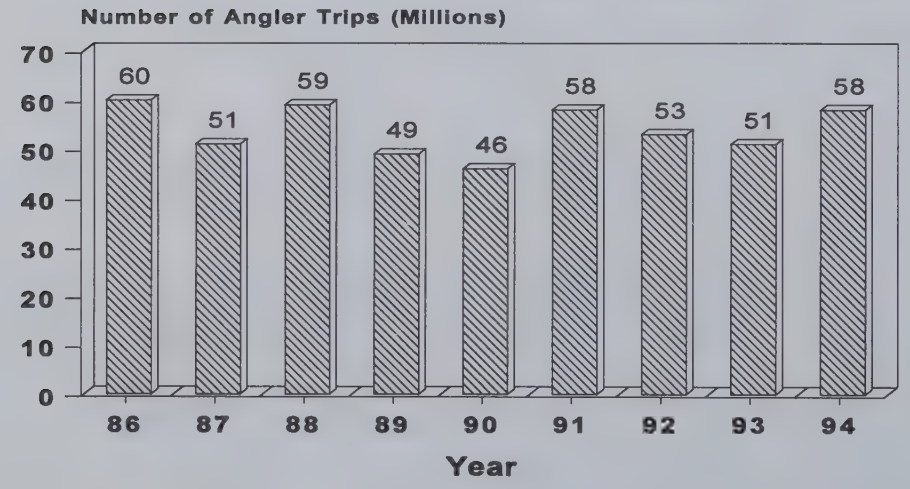
Subregion	Shore	Party/ Charter Boat	Private/ Rental Boat	All Trips
	Thousands			
North Atlantic	2,754	365	2,899	6,018
Mid-Atlantic	4,712	1,732	8,656	15,100
South Atlantic	10,842	590	7,989	19,421
Gulf of Mexico	7,259	752	9,207	17,218
Total	*25,567*	*3,439*	*28,751*	*57,757*
Southern California	1,816	1,950	1,923	5,689
Northern California	*688*	*478*	*931*	*2,097*
Oregon	*141*	*147*	*298*	*586*
Total	*2,645*	*2,575*	*3,152*	*8,372*
Grand Total	*28,212*	*6,014*	*31,903*	*66,129*

Note:--Estimates for the Gulf of Mexico exclude Texas. Estimates for the South Atlantic and Gulf of Mexico subregions exclude partyboat trips. Estimates also exclude January/February trips in the North Atlantic subregion in the South Atlantic states north of Florida, as well as November/December trips in the North Atlantic states north of Massachusetts. Pacific coasts estimates do not include salmon fishing trips or Washington trips.

MARINE RECREATIONAL FISHERIES CATCH ATLANTIC AND GULF COASTS

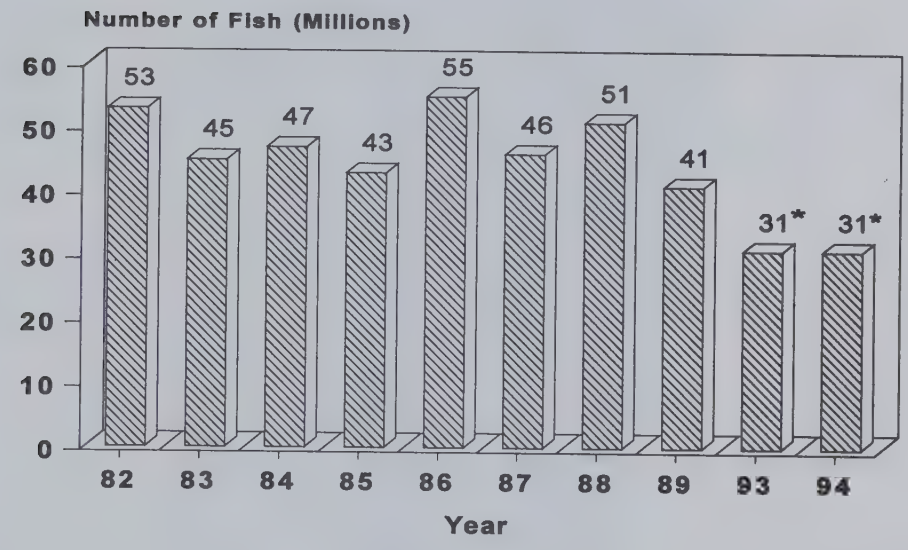


MARINE RECREATIONAL FISHING TRIPS ATLANTIC AND GULF COASTS

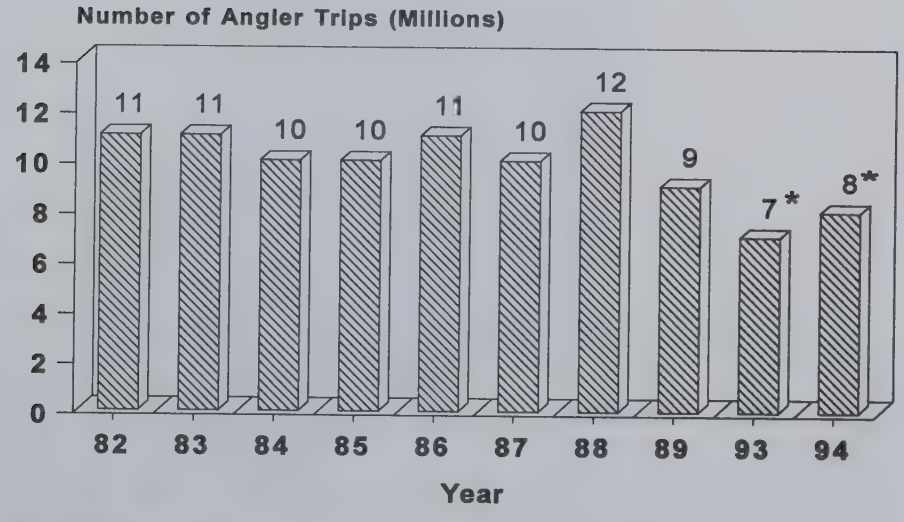


Note: 1994 data are preliminary.

MARINE RECREATIONAL FISHERIES CATCH
PACIFIC COAST

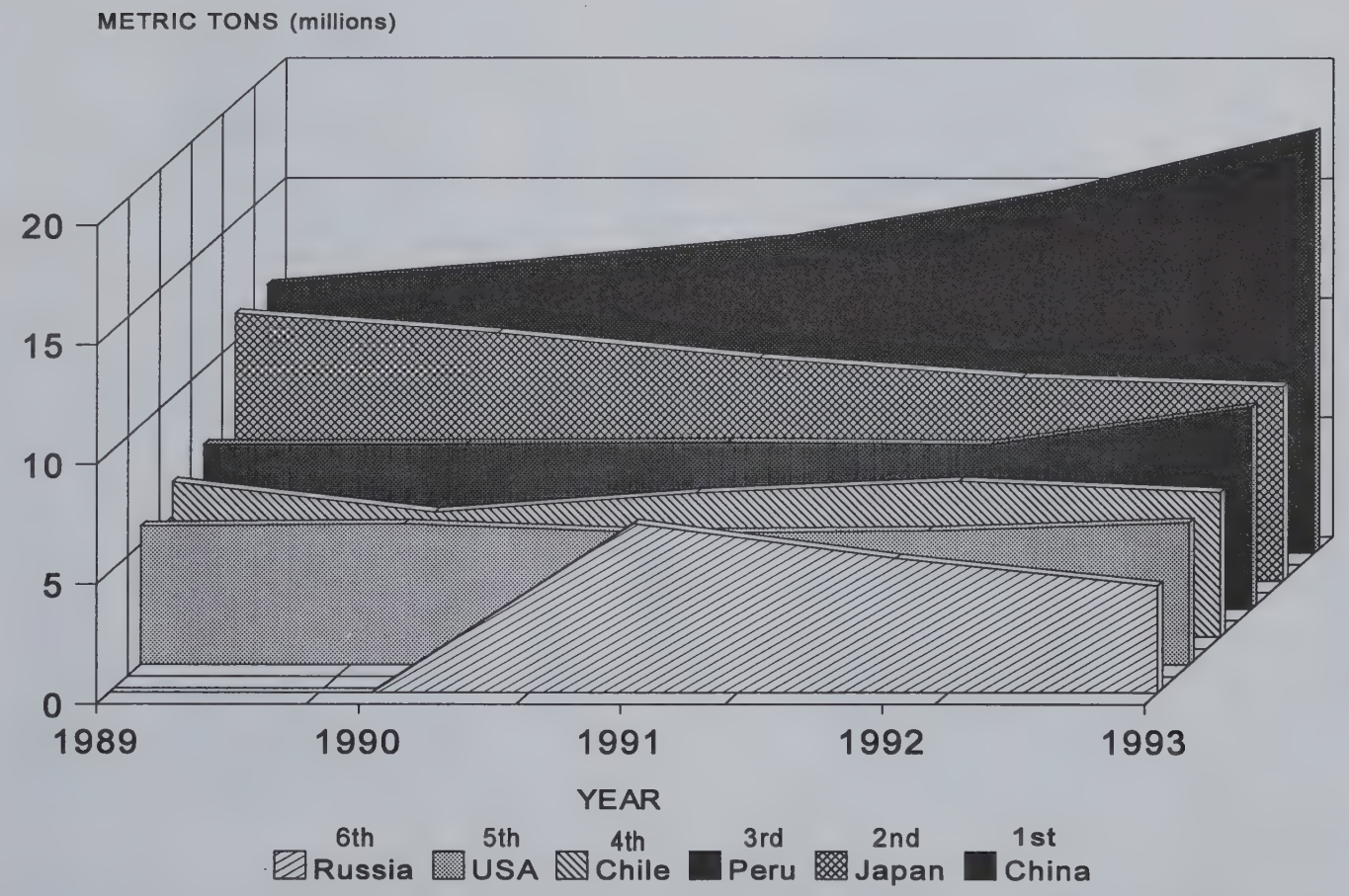


MARINE RECREATIONAL FISHING TRIPS
PACIFIC COAST



1994 data are preliminary.
No data available for 1990, 1991, 1992.
* Note: 1993-1994 does not include Washington.

WORLD COMMERCIAL CATCH BY LEADING COUNTRIES, 1989 - 1993



U.S. AND WORLD COMMERCIAL FISH CATCHES, 1958-93

Year	U.S. commercial catch and exvessel value			World commercial catch				
	Published by U.S. (excludes weight of mollusk shells)	Published by FAO (1)	Exvessel value	Fresh-water	Marine			Grand total
					Peruvian anchovy	Other (2)	Total	
	Million metric tons Live weight		Billion dollars	Million metric tons Live weight				
1958....	2.2	2.7	0.4	4.5	0.8	28.0	28.8	33.3
1959....	2.3	2.9	0.4	5.1	2.0	29.8	31.8	36.9
1960....	2.2	2.8	0.4	5.6	3.5	31.1	34.6	40.2
1961....	2.4	2.9	0.4	5.7	5.3	32.6	37.9	43.6
1962....	2.4	3.0	0.4	5.8	7.1	31.9	39.0	44.8
1963....	2.2	2.8	0.4	5.9	7.2	33.5	40.7	46.6
1964....	2.1	2.6	0.4	6.2	9.8	35.9	45.7	51.9
1965....	2.2	2.7	0.4	7.0	7.7	38.5	46.2	53.2
1966....	1.9	2.5	0.5	7.3	9.6	40.4	50.0	57.3
1967....	1.8	2.4	0.4	7.2	10.5	42.7	53.2	60.4
1968....	1.9	2.5	0.5	7.4	11.3	45.2	56.5	63.9
1969....	1.9	2.5	0.5	7.6	9.7	47.1	56.8	64.4
1970....	2.2	2.8	0.6	8.4	13.1	44.1	57.2	65.6
1971....	2.3	2.9	0.7	9.0	11.2	45.9	57.1	66.1
1972....	2.2	2.8	0.7	5.7	4.8	51.5	56.3	62.0
1973....	2.2	2.8	0.9	5.8	1.7	55.2	56.9	62.7
1974....	2.3	2.8	0.9	5.8	4.0	56.0	60.0	65.8
1975....	2.2	2.8	1.0	6.0	3.3	56.4	59.7	65.7
1976....	2.4	3.0	1.3	5.7	4.3	59.1	63.4	69.1
1977....	2.4	3.0	1.5	5.8	0.8	61.6	62.4	68.2
1978....	2.7	3.4	1.9	5.7	1.4	63.1	64.5	70.2
1979....	2.8	3.5	2.2	5.9	1.4	63.6	65.0	70.9
1980....	2.9	3.6	2.2	6.2	0.8	65.1	65.9	72.1
1981....	2.7	3.8	2.4	6.6	1.6	66.4	68.0	74.6
1982....	2.9	4.0	2.4	6.8	1.8	68.2	70.0	76.8
1983....	2.9	4.3	2.4	7.5	0.1	69.9	70.0	77.5
1984....	2.9	5.0	2.3	8.0	0.1	75.8	75.9	83.9
1985....	2.8	4.9	2.3	8.7	1.0	76.7	77.7	86.4
1986....	2.7	5.2	2.8	9.7	4.9	78.2	83.1	92.8
1987....	3.1	6.0	3.1	10.4	2.1	81.9	84.0	94.4
1988....	3.3	5.9	3.5	11.1	3.6	84.4	88.0	99.1
1989....	3.8	5.8	3.2	11.4	5.4	83.3	88.7	100.1
1990....	4.3	5.9	3.5	12.2	3.8	81.4	85.2	97.4
1991....	4.3	5.5	3.3	12.4	4.0	81.0	85.0	97.4
1992....	4.4	5.6	3.7	13.1	5.5	80.2	85.7	98.8
1993....	4.7	5.8	3.5	14.5	8.3	78.6	86.9	101.4

(1) Includes U.S.-flag vessel landings at foreign ports, transfer of catches onto foreign vessels within the U.S. EEZ (joint ventures), and the weight of mollusk shells. (2) Includes diadromous fishes including salmon and other anadromous fishes and catadromous fishes such as eels.

Note:--There are 2,204.6 pounds in a metric ton. Prior to 1970, the world commercial catch of whales and seals is excluded. For the years 1970-1993, data for marine mammals and aquatic plants are excluded.

Source:--Fishery Statistics of the United States; Fisheries of the United States; Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, Rome; various issues.

WORLD COMMERCIAL CATCH OF FISH, CRUSTACEANS, AND MOLLUSKS, BY COUNTRIES, 1989-93
(DOES NOT INCLUDE MARINE MAMMALS AND AQUATIC PLANTS)

Country	1989(1)	1990(1)	1991(1)	1992(1)	1993
	Thousand metric tons Live weight				
China	11,220	12,095	13,135	15,007	17,568
Peru	6,854	6,875	6,949	6,871	8,451
Japan	11,173	10,354	9,301	8,502	8,128
Chile	6,454	5,195	6,003	6,502	6,038
United States (2)	5,775	5,868	5,486	5,588	5,939
Russia	-	-	7,047	5,611	4,461
India	3,640	3,794	4,044	4,232	4,324
Indonesia	2,948	3,044	3,252	3,442	3,638
Thailand	2,700	2,786	2,968	3,240	3,348
South Korea	2,841	2,843	2,521	2,696	2,649
Norway	1,908	1,745	2,168	2,547	2,562
Philippines	2,099	2,210	2,316	2,272	2,264
North Korea (3)	1,738	1,753	1,743	1,778	1,780
Iceland	1,502	1,508	1,050	1,577	1,718
Denmark	1,929	1,518	1,793	1,996	1,534
Taiwan	1,362	1,444	1,307	1,314	1,416
Spain (3)	1,560	1,400	1,320	1,330	1,290
Mexico	1,470	1,401	1,453	1,248	1,201
Canada	1,575	1,626	1,544	1,276	1,172
Viet Nam (3)	930	960	1,020	1,080	1,100
Bangladesh	844	848	893	967	1,047
United Kingdom	798	735	784	801	872
Argentina	487	556	641	705	931
Burma (3)	734	744	769	800	837
France (3)	851	864	817	817	830
Brazil (3)	850	803	800	790	780
Malaysia (3)	610	604	620	650	680
Morocco	520	566	593	548	622
Pakistan	446	479	515	553	622
South Africa	878	538	501	696	563
Italy	551	525	561	557	552
Turkey	456	385	365	454	551
Netherlands	453	460	444	439	487
New Zealand	334	372	417	503	470
Poland	565	473	457	506	423
Venezuela	329	332	358	330	390
Senegal (3)	287	298	320	370	378
Ukraine	-	-	926	526	371
Ghana	362	393	366	426	371
Sweden	258	260	245	315	348
All others	19,824	18,778	9,590	8,923	8,712
Total	*100,115*	*97,432*	*97,402*	*98,785*	*101,418*

(1) Revised.

(2) Includes the weight of clam, oyster, scallop, and other mollusk shells. This weight is not included in U.S. landings statistics shown elsewhere.

(3) Data estimated by FAO.

Note:--Statistics on quantities caught by recreational fishermen in the United States are excluded.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1993, Vol. 76, Rome.

WORLD COMMERCIAL CATCH OF FISH, CRUSTACEANS, AND MOLLUSKS, BY CONTINENT, 1989-93 (DOES NOT INCLUDE MARINE MAMMALS AND AQUATIC PLANTS)

Continent	1989(1)	1990(1)	1991(1)	1992(1)	1993
	Thousand metric tons Live weight				
North America.....	9,536	9,535	9,098	8,652	8,836
South America.....	16,003	14,447	15,463	15,914	17,266
Europe.....	12,478	11,434	11,435	12,680	12,363
Former USSR.....	11,310	10,389	9,506	6,876	5,478
Asia.....	45,073	45,669	46,134	48,428	51,429
Africa.....	4,971	5,093	4,828	5,204	5,087
Oceania.....	687	830	829	891	847
Other.....	57	35	109	140	112
Total.....	*100,115*	*97,432*	*97,402*	*98,785*	*101,418*

(1) Revised.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1993; Vol. 76, Rome.

WORLD COMMERCIAL CATCH OF FISH, CRUSTACEANS, AND MOLLUSKS, BY MAJOR FISHING AREAS, 1989-93 (DOES NOT INCLUDE MARINE MAMMALS AND AQUATIC PLANTS)

Area	1989(1)	1990(1)	1991(1)	1992(1)	1993
	Thousand metric tons Live weight				
Marine Areas:					
Pacific Ocean....	54,678	52,939	52,011	51,782	53,569
Atlantic Ocean...	25,314	23,552	23,760	24,204	23,391
Indian Ocean.....	6,198	6,199	6,689	7,089	7,289
Total.....	*86,190*	*82,690*	*82,460*	*83,075*	*84,249*
Inland waters:					
North America....	546	552	548	600	584
South America....	340	335	331	363	387
Europe.....	520	511	484	494	487
Former USSR.....	1,030	988	824	700	595
Asia.....	9,658	10,402	10,920	11,756	13,301
Africa.....	1,807	1,930	1,812	1,772	1,792
Oceania.....	24	24	23	25	23
Total.....	*13,925*	*14,742*	*14,942*	*15,710*	*17,169*
Grand total...	*100,115*	*97,432*	*97,402*	*98,785*	*101,418*

(1) Revised.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1993; Vol. 76, Rome.

WORLD COMMERCIAL CATCH OF FISH, CRUSTACEANS, AND MOLLUSKS, BY SPECIES GROUPS, 1989-93, (DOES NOT INCLUDE MARINE MAMMALS AND AQUATIC PLANTS)

Species group	1989(1)	1990(1)	1991(1)	1992(1)	1993
	Thousand metric tons Live weight				
Carps, barbels, cyprinids	5,959	6,277	6,509	7,171	8,074
Cods, hakes, haddocks	12,887	11,603	10,298	10,446	9,899
Flatfish	1,204	1,230	1,105	1,174	1,116
Herrings, sardines, anchovies	24,795	22,289	21,722	20,480	21,438
Jacks, mullets, sauries	9,347	9,713	10,333	10,467	10,114
Mackerel, snoeks, cutlassfishes	3,762	3,508	3,442	3,390	3,900
Redfish, basses, congers	5,916	5,744	5,959	5,960	5,648
River eels	111	187	201	206	198
Salmons, trouts, smelts	1,462	1,490	1,693	1,478	1,696
Shads	743	652	676	705	677
Sharks, rays, chimaeras	671	678	696	699	700
Sturgeons, paddlefish	19	18	15	14	10
Tilapias	757	856	882	944	973
Tunas, bonitos, billfishes	4,098	4,405	4,482	4,500	4,655
Other fishes	15,187	15,757	15,536	16,127	16,756
Crabs	1,273	1,281	1,524	1,599	1,738
Krill	396	375	356	305	89
Lobsters	211	217	226	213	215
Shrimp	2,530	2,601	2,806	2,897	2,893
Other crustaceans	335	339	370	391	527
Abalones, winkles, conchs	81	67	71	68	84
Clams, cockles, arkshells	1,455	1,467	1,526	1,726	1,816
Mussels	1,301	1,332	1,307	1,332	1,192
Oysters	1,031	1,003	987	1,070	1,121
Scallops	838	877	847	1,051	1,449
Squids, cuttlefishes, octopus	2,633	2,331	2,605	2,797	2,760
Other mollusks	796	848	847	960	1,226
Sea urchins, other echinoderms	103	96	101	103	106
Miscellaneous	214	191	280	512	348
Total	*100,115*	*97,432*	*97,402*	*98,785*	*101,418*

(1) Revised.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1993, Vol. 76, Rome.

DISPOSITION OF WORLD COMMERCIAL CATCH, 1989-93 (DOES NOT INCLUDE MARINE MAMMALS AND AQUATIC PLANTS)

Item	1989(1)	1990(1)	1991(1)	1992(1)	1993
	Percent of total				
Marketed fresh	23.9	23.2	22.7	26.6	29.0
Frozen	23.8	24.9	24.6	24.2	23.6
Canned	12.5	12.9	13.1	12.1	11.6
Cured	10.1	10.7	10.6	8.9	8.2
Reduced to meal and oil (2)	28.1	26.8	27.4	26.4	25.8
Miscellaneous purposes	1.6	1.5	1.6	1.8	1.8
Total	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*

(1) Revised.

(2) Only whole fish destined for the manufacture of oils and meals are included. Raw material for reduction derived from fish primarily destined for marketing fresh, frozen, canned, cured, and miscellaneous purposes is excluded; such waste quantities are included under the other disposition channels.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1993, Vol. 77, Rome.

WORLD IMPORTS AND EXPORTS OF SEVEN FISHERY COMMODITY GROUPS, BY LEADING COUNTRIES, 1989-93

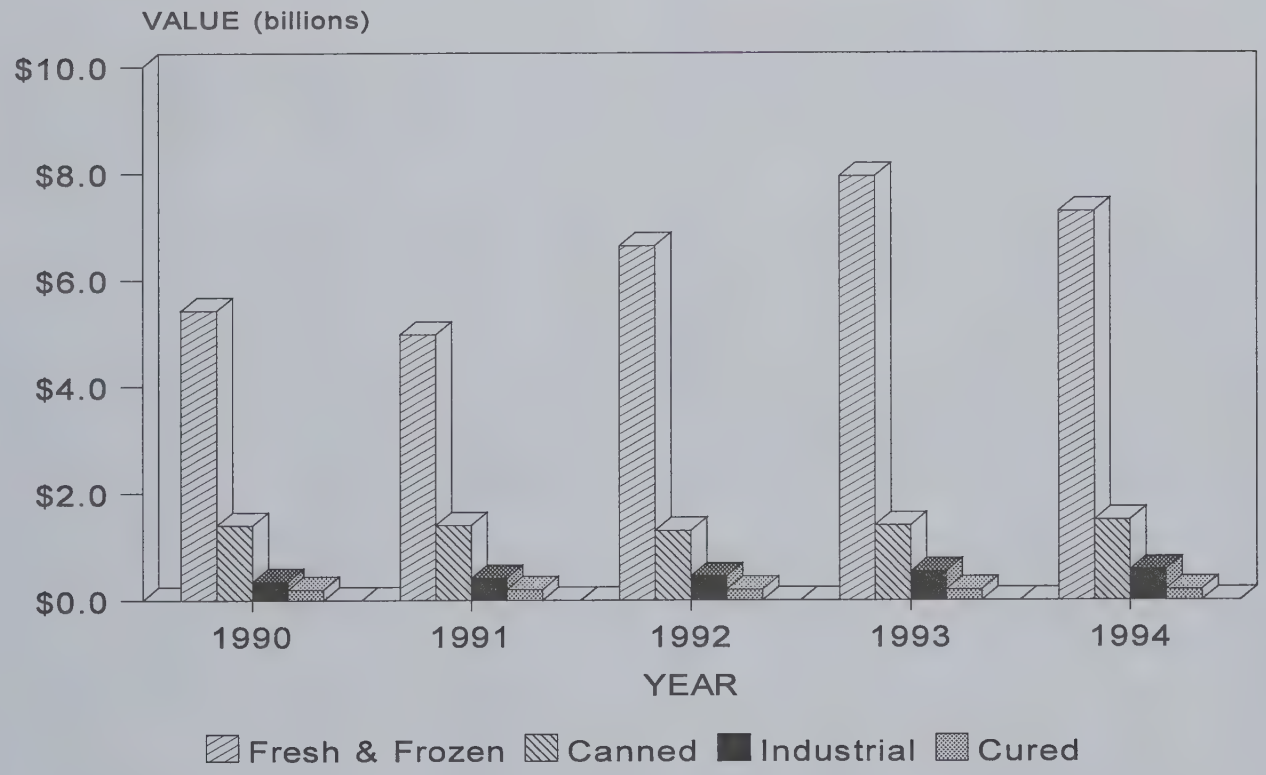
Country	1989 (1)	1990 (1)	1991 (1)	1992 (1)	1993
	Thousand U.S. dollars				
IMPORTS					
Japan	10,127,471	10,668,292	12,085,125	12,831,762	14,187,149
United States	5,756,932	5,573,241	5,999,580	6,024,064	6,290,233
Spain	1,816,160	2,360,653	2,748,305	2,898,232	2,629,799
France	2,193,878	2,809,033	2,925,994	2,934,585	2,556,151
Italy	1,984,470	2,458,086	2,689,639	2,643,440	2,131,181
Germany	1,479,366	1,899,729	2,114,720	2,190,892	1,883,684
United Kingdom	1,627,924	1,911,161	1,911,905	1,906,661	1,628,852
Hong Kong	988,063	1,111,938	1,232,076	1,398,181	1,376,858
Denmark	864,219	1,116,108	1,148,255	1,197,370	1,094,253
Thailand	726,846	794,423	1,052,918	942,090	830,480
Canada	659,238	620,315	675,242	686,876	821,404
Netherlands	671,949	843,510	976,278	999,484	802,444
Belgium	603,053	753,676	775,966	828,088	730,459
Portugal	390,589	606,040	757,843	734,928	627,713
China	359,498	207,083	438,090	680,844	575,930
Singapore	366,126	361,582	460,545	543,769	566,602
South Korea	317,091	364,738	577,543	504,853	545,518
Taiwan	452,004	425,720	458,830	491,029	544,243
Sweden	408,307	449,101	441,490	467,773	371,756
Other Countries	4,053,015	4,252,659	4,358,001	4,485,886	4,427,139
Total	***35,846,199***	***39,587,088***	***43,828,345***	***45,390,807***	***44,621,848***
EXPORTS					
Thailand	1,959,428	2,264,937	2,901,360	3,071,178	3,404,269
United States	2,532,468	3,019,861	3,281,746	3,582,545	3,179,474
Taiwan	1,591,648	1,517,335	1,524,735	1,802,097	2,369,422
Norway	1,563,496	2,059,784	2,282,247	2,436,832	2,302,346
Denmark	1,745,056	2,165,497	2,302,299	2,319,917	2,150,565
Canada	2,051,173	2,269,802	2,168,121	2,085,495	2,055,438
China	1,039,516	1,301,690	1,181,989	1,559,977	1,542,426
Russia	-	-	-	826,299	1,471,446
Indonesia	767,422	978,650	1,186,062	1,178,552	1,419,492
South Korea	1,539,558	1,363,296	1,499,973	1,385,867	1,335,419
Netherlands	1,061,338	1,332,900	1,356,212	1,409,669	1,289,136
Iceland	1,026,990	1,240,299	1,280,006	1,252,713	1,137,638
Chile	899,949	866,397	1,066,781	1,252,384	1,124,579
United Kingdom	794,293	961,982	1,121,885	1,146,915	1,036,916
France	772,724	931,193	925,560	955,379	857,752
Spain	775,763	743,506	772,651	712,729	813,750
India	391,596	467,354	590,084	658,105	810,645
Japan	919,180	807,456	848,165	792,369	766,952
Argentina	280,900	315,938	448,012	559,029	709,292
Other Countries	10,371,980	11,147,124	12,147,988	11,332,618	11,406,435
Total	***32,084,478***	***35,755,001***	***38,885,876***	***40,320,669***	***41,183,392***

(1) Revised.

Note:--Data on imports and exports cover the international trade of 176 countries or areas. The total value of exports is consistently less than the total value of imports, probably because charges for insurance, freight, and similar expenses were included in the import value but not in the export value. The seven fishery commodity groups covered by this table are: 1. Fish, fresh, chilled or frozen; 2. Fish, dried, salted, or smoked; 3. Crustaceans and mollusks, fresh, dried, salted,, etc.; 4. Fish products and preparations, whether or not in airtight containers; 5. Crustacean and mollusk products and preparations, whether or not in airtight containers; 6. Oils and fats, crude or refined, of aquatic animal origin; and 7. Meals, solubles and similar animal foodstuffs of aquatic animal origin.

Source:--Food and Agriculture Organization of the United Nations (FAO) - Yearbook of Fishery Statistics, 1993, Vol. 77, Rome.

VALUE OF PROCESSED FISHERY PRODUCTS FROM DOMESTIC CATCH & IMPORTED PRODUCTS 1990 - 1994



VALUE OF PROCESSED FISHERY PRODUCTS, 1993 AND 1994
(Processed from domestic catch and imported products)

Item	1993		1994 (1)	
	Thousand dollars	Percent of total	Thousand dollars	Percent of total
Edible:				
Fresh and frozen.....	6,321,763	74.5	5,566,619	70.9
Canned.....	1,375,377	16.2	1,470,745	18.7
Cured.....	246,906	2.9	238,962	3.0
Total edible.....	*7,944,046*	*93.7*	*7,276,326*	*92.7*
Industrial:				
Bait and animal food (canned).....	312,597	3.7	325,299	4.1
Meal, oil, and solubles.....	182,170	2.1	185,968	2.4
Other.....	43,689	0.5	61,992	0.8
Total industrial.	*538,456*	*6.3*	*573,259*	*7.3*
Grand total.....	*8,482,502*	*100.0*	*7,849,585*	*100.0*

(1) Preliminary. May not add due to rounding.

Note:--Value is based on selling price at the plant.

FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 1985-94

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 1985-94

YEAR	Fish sticks		Fish portions		Breaded shrimp	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1985.....	96,239	111,265	330,362	367,734	95,734	369,415
1986.....	87,289	94,290	341,628	393,956	107,834	354,808
1987.....	98,927	*142,946	323,746	*445,631	108,937	358,442
1988.....	80,148	113,868	301,229	438,873	99,471	371,798
1989.....	89,112	116,440	279,777	400,289	120,950	*404,592
1990.....	65,209	74,866	242,775	352,589	110,760	353,265
1991.....	63,286	77,877	204,697	313,400	116,324	335,838
1992.....	58,295	56,020	194,307	296,214	*121,791	348,633
1993.....	67,959	67,975	206,165	313,195	111,711	325,445
1994.....	57,606	50,257	181,545	246,064	94,770	274,206

*Record. Records--1973 fish sticks production: 127,156,000 lb; 1973 fish portions production: 396,089,000 lb.

PROCESSED FISHERY PRODUCTS

FISH FILLETS AND STEAKS

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 1993 AND 1994

Species	1993 (1)		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Fillets:				
Amberjack	714	1,533	583	1,624
Anglerfish	5,748	9,188	6,355	12,255
Bluefish	302	510	224	373
Cod	50,379	121,052	58,302	135,873
Cusk	614	1,704	472	1,378
Dolphin	3,757	13,403	3,683	14,373
Drum	171	450	74	232
Flounders	35,817	99,503	32,085	92,541
Groupers	3,089	16,157	3,182	17,538
Haddock	3,885	16,248	3,187	12,357
Hake	7,496	8,281	7,929	8,403
Halibut	4,749	20,353	4,595	21,503
Lingcod	1,536	2,653	1,424	2,466
Ocean perch:				
Atlantic	883	1,934	471	1,135
Pacific	1,647	2,716	1,163	1,884
Ocean pout	118	180	111	148
Pollock:				
Atlantic	8,339	17,372	6,539	15,044
Alaska	160,512	185,279	142,631	153,131
Rockfishes	17,984	29,833	16,901	29,089
Sablefish	4,579	9,588	872	1,675
Salmon	9,916	40,435	13,112	48,155
Sea bass	523	2,467	608	3,312
Sea trout	160	693	288	1,119
Shark	11,678	11,083	14,558	15,177
Snapper	2,868	13,621	2,216	11,265
Spanish mackerel	205	268	415	537
Swordfish	3,250	18,199	6,440	35,041
Tilapia	1,415	4,338	1,666	5,565
Tuna	7,538	41,445	7,870	44,414
Wahoo	229	1,290	197	1,076
Whitefish	1,495	3,488	1,339	3,387
Wolffish	100	316	111	329
Unclassified	20,781	58,958	18,160	55,494
Total	*372,477*	*754,538*	*357,763*	*747,893*
Steaks:				
Flounders	28,571	25,023	37,529	25,523
Halibut	8,623	28,182	6,935	26,529
King mackerel	18	57	18	53
Salmon	2,072	6,165	1,762	4,662
Shark	492	992	145	267
Swordfish	3,435	17,204	2,557	10,668
Tuna	2,851	10,249	2,915	8,049
Unclassified	1,630	4,700	764	2,256
Total	*47,692*	*92,572*	*52,625*	*78,007*
Grand total	*420,169*	*847,110*	*410,388*	*825,900*

(1) Revised.

Note: Some fillet production was further processed into frozen blocks.

PROCESSED FISHERY PRODUCTS

CANNED FISHERY PRODUCTS

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 1993 AND 1994

Species	Pounds per case	1993 (1)			1994		
		Standard cases	Thousand pounds	Thousand dollars	Standard cases	Thousand pounds	Thousand dollars
For human consumption:							
Fish:							
Herring	23.4	311,663	7,293	12,935	269,776	6,313	11,239
Salmon:							
Chinook	44.25	3,347	148	391	3,305	146	341
Chum	44.25	129,838	5,745	9,201	212,572	9,406	11,481
Pink	44.25	3,256,745	144,111	193,635	3,634,644	160,833	238,784
Coho	44.25	23,737	1,050	2,193	25,175	1,114	2,021
Sockeye	44.25	1,068,693	47,290	101,631	798,687	35,342	76,344
Total natural		*4,482,360*	*198,344*	*307,051*	*4,674,383*	*206,841*	*328,971*
Specialties	48	5,806	279	2,572	10,661	512	3,390
Sardines, Maine	23.4	613,415	14,354	25,054	664,963	15,560	27,587
Tuna: (2)							
Albacore:							
Solid	18.375	6,858,068	126,017	318,972	7,138,014	131,161	334,824
Chunk	18.375	1,303,756	23,957	54,575	1,595,368	29,315	66,365
Total		*8,161,824*	*149,974*	*373,547*	*8,733,382*	*160,476*	*401,189*
Lightmeat:							
Solid	18.375	685,491	12,596	16,531	461,033	8,471	11,760
Chunk	18.375	24,825,741	456,173	513,940	23,976,762	440,573	550,320
Total		*25,511,232*	*468,769*	*530,471*	*24,437,795*	*449,044*	*562,080*
Total tuna		*33,673,056*	*618,743*	*904,018*	*33,171,177*	*609,520*	*963,269*
Specialties	48	71	3	23	220	11	41
Other	48	312,643	15,007	19,536	271,322	13,023	18,011
Total fish	--	*39,399,014*	*854,023*	*1,271,189*	*39,062,502*	*851,780*	*1,352,508*
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	2,313,264	34,699	50,056	2,355,914	35,339	54,363
Chowder and juice	30	2,391,252	71,738	33,883	2,437,931	73,138	39,860
Specialties	48	224,722	10,787	8,325	286,302	13,742	11,351
Crabs, natural	19.5	3,610	70	551	2,157	42	358
Lobster meat and specialties	48	10,016	481	516	9,080	436	467
Oyster, specialties	48	66	3	31	44	2	20
Shrimp, Natural (4)	6.75	97,419	658	4,122	69,119	467	3,507
Other	48	224,292	10,766	6,704	225,998	10,848	8,311
Total shellfish	--	*5,264,641*	*129,202*	*104,188*	*5,386,545*	*134,014*	*118,237*
Total for human consumption	--	*44,663,655*	*983,225*	*1,375,377*	*44,449,047*	*985,794*	*1,470,745*
For bait and animal food	*48*	*15,121,292*	*725,822*	*312,597*	*16,299,021*	*782,353*	*325,299*
Grand total	--	*59,784,947*	*1,709,047*	*1,687,974*	*60,748,068*	*1,768,147*	*1,796,044*

(1) Revised.
(2) Flakes included with chunk.
(3) "Cut out" or "drained" weight of can contents are given for whole or minced clams, and net contents for other clam products.
(4) Drained weight.

PROCESSED FISHERY PRODUCTS

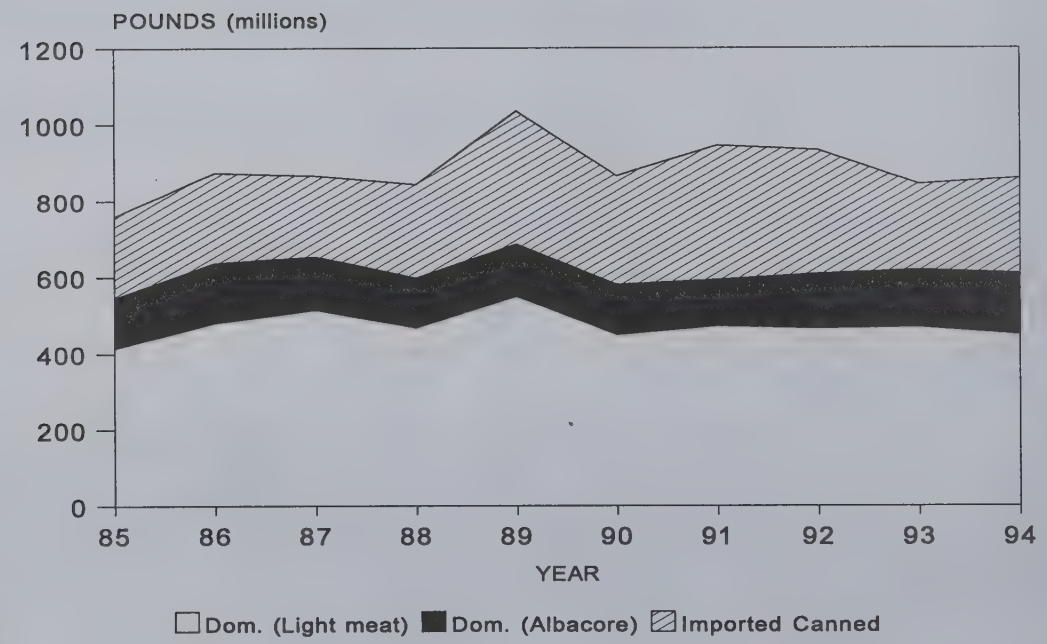
CANNED FISHERY PRODUCTS

PRODUCTION OF CANNED FISHERY PRODUCTS, 1985-94

Year	For human consumption		For animal food and bait		Total	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1985.....	913,078	1,269,311	248,068	91,003	1,161,146	1,360,314
1986.....	1,011,080	1,384,213	320,953	100,377	1,332,033	1,484,590
1987.....	965,012	1,476,484	220,641	85,416	1,185,653	1,561,900
1988.....	908,687	1,388,122	222,920	97,492	1,131,607	1,485,614
1989.....	1,109,788	*1,753,536	345,464	238,343	1,455,252	*1,991,879
1990.....	956,962	1,414,846	221,320	146,947	1,178,282	1,561,793
1991.....	981,275	1,439,362	404,440	204,917	1,385,715	1,644,279
1992.....	936,117	1,330,173	607,678	247,261	1,543,795	1,577,434
1993.....	983,225	1,375,377	725,822	312,597	1,709,047	1,687,974
1994.....	985,794	1,470,745	*782,353	*325,299	*1,768,147	1,796,044

*Record. Records--1981 for human consumption: 1.954 million lb.

U.S. SUPPLY OF CANNED TUNA
(CANNED WEIGHT)
1985 - 1994



INDUSTRIAL PRODUCTS

PRODUCTION OF MEAL, OIL, AND SOLUBLES, 1993 AND 1994

Product	1993 (1)		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Dried scrap and meal:				
Fish:				
Menhaden	471,036	78,429	571,776	90,705
Tuna and mackerel	66,018	8,518	68,852	6,494
Unclassified	190,266	42,863	157,484	36,058
Total	*727,320*	*129,810*	*798,112*	*133,257*
Shellfish	23,424	1,351	18,052	1,133
Total, scrap and meal	*750,744*	*131,161*	*816,164*	*134,390*
Solubles, total	*126,903*	*10,220*	*146,568*	*14,506*
Body oil:				
Menhaden	291,371	40,527	289,237	36,820
Unclassified	2,081	262	1,952	252
Total, oil	*293,452*	*40,789*	*291,189*	*37,072*

(1) Revised.

Note:--To convert pounds of oil to gallons divide by 7.75. The above data includes production in American Samoa and Puerto Rico.

PRODUCTION OF INDUSTRIAL PRODUCTS, 1985-94

Year	Quantity			Value		
	Meal	Solubles	Marine animal oil	Meal, solubles, and oil	Other industrial products	Grand total
	Thousand pounds			Thousand dollars		
1985	721,682	323,028	285,077	144,724	37,775	182,499
1986	702,194	195,148	336,708	138,765	36,825	175,590
1987	*786,978	249,289	298,496	174,321	37,524	211,845
1988	643,796	223,449	224,733	188,843	46,737	235,580
1989	618,382	232,709	225,478	156,321	49,756	206,077
1990	577,498	185,660	281,949	163,796	42,759	206,555
1991	612,716	169,607	267,345	170,495	37,707	208,202
1992	644,512	93,007	184,725	157,693	45,310	203,003
1993	750,744	126,903	293,452	182,170	43,689	225,859
1994	816,164	146,568	291,189	185,968	61,992	247,960

*Record. Record--1959 fish solubles production: 330,718,000 lb, 1980 other industrial products $63,525,000 and 1980 grand total $269,606,000.

Note:--Does not include the value of imported items that may be further processed.

U.S. COLD STORAGE HOLDINGS

FROZEN FISHERY PRODUCTS

U.S. COLD STORAGE HOLDINGS OF FISHERY PRODUCTS, 1994

Item	January 31	February 28	March 31	April 30	May 31	June 30
Fish	- - -

U.S. COLD STORAGE HOLDINGS

FROZEN FISHERY PRODUCTS

U.S. COLD STORAGE HOLDINGS OF FISHERY PRODUCTS, 1994

Item	July 31	August 31	September 30	October 31	November 30	December 31
Fish	- - -

U.S. Imports of Edible Fishery Products, 1994
(Total Imports $6,645.1 million)

Imports by Continent

Asia $2,775.1 million
Africa $63.9 million
Europe $591.9 million

North America $1,894.1 million
South America $1,089.1 million
Australia & Oceania $231.0 million

IMPORTS

FISHERY PRODUCTS IMPORTS, BY PRINCIPAL ITEMS, 1993 AND 1994

Item	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Edible fishery products:				
Fresh and frozen:				
Whole or eviscerated:				
Flatfish	36,409	53,983	39,337	68,323
Groundfish	61,698	42,329	62,822	49,253
Salmon	114,716	246,829	117,349	252,963
Tuna:				
Albacore	189,664	219,545	201,944	223,460
Other (1)	246,014	161,068	256,439	202,668
Other	278,615	292,236	286,688	321,811
Fillets and steaks:				
Flatfish	49,070	119,972	39,493	96,047
Groundfish	186,516	332,132	189,097	336,964
Other	204,768	386,927	210,469	421,118
Blocks and slabs	211,569	219,071	199,607	184,371
Surimi	73	31	4,866	3,433
Shrimp	592,808	2,153,419	621,618	2,654,099
Crabmeat	14,008	51,749	13,739	69,855
Lobster:				
American	35,767	163,334	40,712	210,650
Spiny	23,364	215,233	22,604	237,442
Scallops (meats)	51,973	218,631	56,676	216,073
Other fish and shellfish	154,399	301,193	164,747	368,505
Total, fresh and frozen	***2,451,431***	***5,177,682***	***2,528,207***	***5,917,035***
Canned:				
Anchovy	6,936	22,766	6,896	21,970
Herring	1,638	1,986	1,404	1,914
Mackerel	25,688	12,993	27,460	13,803
Salmon	428	1,539	1,093	3,627
Sardines:				
In oil	14,314	25,872	14,308	24,964
Not in oil	24,797	22,468	29,634	24,109
Tuna	224,419	225,829	249,043	285,950
Clams	10,489	12,175	13,307	16,380
Crabmeat	9,817	30,874	9,852	35,605
Lobsters	769	7,114	291	2,487
Oysters	12,835	36,291	11,605	30,745
Shrimp	8,170	16,162	6,314	13,686
Balls, cakes, and puddings	7,903	15,498	8,911	15,769
Other fish and shellfish	33,455	62,550	39,065	50,914
Total, canned	***381,658***	***494,117***	***419,183***	***541,923***
Cured:				
Dried	14,850	45,360	19,537	51,556
Pickled or salted	46,226	54,308	41,685	46,598
Smoked or kippered	8,089	22,819	9,065	24,682
Total, cured	***69,165***	***122,487***	***70,287***	***122,836***
Caviar and roe	4,268	24,703	4,127	27,564
Prepared meals	2,912	6,894	2,743	6,461
Other fish and shellfish	7,726	22,855	10,294	29,314
Total edible fishery products	***2,917,160***	***5,848,738***	***3,034,841***	***6,645,133***
Nonedible fishery products:				
Meal and scrap	760,664	106,145	548,288	77,142
Fish oils	26,052	14,651	40,642	15,547
Other	-	4,652,853	-	5,249,057
Total nonedible fishery products	-	***4,773,649***	-	***5,341,746***
Grand total	-	***10,622,387***	-	***11,986,879***

(1) Includes loins and discs.

Note:--Data include imports into the United States and Puerto Rico and landings of tuna by foreign vessels at American Samoa. Statistics on imports are the weight of individual products as exported, i.e., fillets, steaks, whole, headed, etc.

Imports and Exports of Fishery Products Annual Summary, 1994, Current Fishery Statistics No. 9402 will provide additional information.

Source:--U.S. Department of Commerce, Bureau of the Census.

FOREIGN TRADE

IMPORTS

EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 1985-94

Year	Edible		Nonedible	Total
	Thousand pounds	- - - - - - - -Thousand dollars- - - - - - - -		
1985	2,754,018	4,064,334	2,614,252	6,678,586
1986	2,978,905	4,813,488	2,812,805	7,626,293
1987	3,201,132	5,711,233	3,106,464	8,817,697
1988	2,967,786	5,441,628	3,430,369	8,871,997
1989	*3,243,017	5,497,849	4,106,507	9,604,356
1990	2,884,596	5,233,167	3,814,513	9,047,680
1991	3,014,819	5,671,887	3,763,173	9,435,060
1992	2,893,954	5,705,876	4,165,386	9,871,262
1993	2,917,160	5,848,738	4,773,649	10,622,387
1994	3,034,841	*6,645,133	*5,341,746	*11,986,879

*Record. Source:--U.S. Department of Commerce, Bureau of the Census.

FISHERY PRODUCTS IMPORTS: VALUE, DUTIES COLLECTED, AND AD VALOREM EQUIVALENT, 1985-94

Year	Value		Duties collected		Average ad valorem equivalent	
	Fishery imports	All imports	Fishery imports	All imports	Fishery imports	All imports
	- - - - - - - - -Thousand dollars- - - - - - - -				Percent	
1985	6,678,586	343,553,150	191,421	13,066,970	2.9	3.8
1986	7,626,293	368,656,594	187,791	13,312,112	2.5	3.6
1987	8,817,697	402,066,002	178,861	13,922,567	2.0	3.5
1988	8,871,997	437,140,185	206,470	15,054,304	2.3	3.4
1989	9,604,356	472,976,600	235,851	16,096,400	2.5	3.4
1990	9,047,680	490,553,800	213,710	16,338,700	2.4	3.3
1991	9,435,060	483,027,900	204,694	16,197,300	2.2	3.4
1992	9,871,262	525,091,414	206,480	17,164,481	2.1	3.3
1993	10,622,387	486,386,000	215,885	18,333,800	2.0	3.8
1994	11,986,879	657,884,700	242,977	19,846,400	2.0	3.0

Source:--U.S. Department of Commerce, Bureau of the Census.

IMPORTS

EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 1994

Continent and Country	Edible		Nonedible	Total
	Thousand pounds	- - - - - -Thousand dollars- - - - - -		
North America:				
Canada	531,701	1,132,308	486,187	1,618,495
Mexico	82,165	332,465	110,223	442,688
Honduras	25,604	102,942	9	102,951
Dominican Republic	913	2,406	96,397	98,803
Panama	33,510	85,557	9,066	94,623
Other	101,864	324,015	65,774	389,789
Total	*742,247*	*1,894,136*	*758,590*	*2,652,726*
South America:				
Ecuador	166,996	536,701	4,507	541,208
Chile	111,116	201,568	20,460	222,028
Brazil	26,010	98,952	38,784	137,736
Peru	20,055	41,025	84,583	125,608
Argentina	52,756	53,665	36,758	90,423
Other	70,607	157,205	109,861	267,066
Total	*447,540*	*1,089,116*	*294,953*	*1,384,069*
Europe:				
European Union:				
Italy	1,023	3,370	1,279,064	1,282,434
France	62,273	26,879	441,021	467,900
Germany	4,380	5,630	184,574	190,204
United Kingdom	6,675	18,407	96,730	115,137
Spain	27,258	25,140	55,215	80,355
Other	27,371	57,381	145,791	203,172
Total	*128,980*	*136,807*	*2,202,395*	*2,339,202*
Other:				
Iceland	106,625	213,702	2,706	216,408
Russia	81,363	118,970	2,051	121,021
Norway	55,739	107,237	11,068	118,305
Switzerland	38	54	85,930	85,984
Turkey	129	433	37,932	38,365
Other	8,467	14,634	64,165	78,799
Total	*252,361*	*455,030*	*203,852*	*658,882*
Asia:				
Thailand	456,130	1,306,001	396,560	1,702,561
Japan	87,229	172,889	309,250	482,139
India	68,105	161,437	210,442	371,879
Hong Kong	11,598	14,792	356,085	370,877
China	195,689	259,066	99,223	358,289
Other	698,119	1,134,815	886,313	2,021,128
Total	*1,309,583*	*2,775,142*	*1,802,565*	*4,577,707*
Oceania:				
New Zealand	66,660	150,290	5,646	155,936
Australia	6,360	60,267	23,164	83,431
French Polynesia	306	625	10,177	10,802
Fed Sts. of Micronesia	12,169	5,001	16	5,017
Fiji	1,766	3,386	278	3,664
Other	18,884	11,423	2,019	13,442
Total	*106,145*	*230,992*	*41,300*	*272,292*
Africa:				
South Africa	24,279	34,488	27,389	61,877
Morocco	6,819	17,483	5,436	22,919
Ghana	11,926	4,082	6	4,088
Nigeria	1,975	2,898	580	3,478
Namibia	1,263	1,596	120	1,716
Other	1,723	3,363	4,560	7,923
Total	*47,985*	*63,910*	*38,091*	*102,001*
Grand total	*3,034,841*	*6,645,133*	*5,341,746*	*11,986,879*

Source:--U.S. Department of Commerce, Bureau of the Census.

FOREIGN TRADE

IMPORTS

REGULAR AND MINCED FISH BLOCKS AND SLABS IMPORTS, BY SPECIES AND TYPE, 1993 AND 1994

Species and type	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Regular blocks and slabs:				
Cod	47,114	78,993	33,375	52,796
Flatfish	5,809	10,790	3,624	6,661
Haddock	10,040	17,678	11,845	18,876
Ocean Perch	1,821	2,100	1,975	2,349
Pollock	83,501	62,221	74,295	44,134
Whiting	20,417	15,267	18,236	16,736
Other	2,948	4,384	3,457	5,205
Total	*171,650*	*191,433*	*146,807*	*146,757*
Minced blocks and slabs	39,919	27,638	52,800	37,614
Grand total	*211,569*	*219,071*	*199,607*	*184,371*

Source:--U.S. Department of Commerce, Bureau of the Census.

REGULAR AND MINCED FISH BLOCKS AND SLABS IMPORTS, BY COUNTRY OF ORIGIN, 1993 AND 1994

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Iceland	25,976	41,281	23,925	34,966
Russia	39,950	31,960	51,025	31,695
China	52,295	34,326	55,946	31,120
Norway	9,379	15,743	13,827	21,641
Denmark	7,337	11,015	8,488	13,855
Canada	22,252	29,458	8,133	10,542
Argentina	11,681	8,634	9,516	7,296
South Africa	419	480	4,226	5,729
Thailand	5,559	5,850	3,918	4,964
Other	36,721	40,324	20,603	22,563
Total	*211,569*	*219,071*	*199,607*	*184,371*

Source:--U.S. Department of Commerce, Bureau of the Census.

GROUNDFISH FILLET AND STEAK IMPORTS, BY SPECIES, 1993 AND 1994 (1)

Species	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Cod	76,037	173,767	72,719	161,450
Haddock (2)	60,197	91,395	73,656	110,911
Ocean Perch	50,282	66,970	42,722	64,603
Total	*186,516*	*332,132*	*189,097*	*336,964*

(1) Does not include data on fish blocks and slabs.

(2) Includes some quantities of cusk, hake, and pollock fillets.

Source:--U.S. Department of Commerce, Bureau of the Cenus.

IMPORTS

CANNED TUNA NOT IN OIL, QUOTA AND IMPORTS, 1985-94

Year	Quota	Imports		
	(1)	Under quota (2)	Over quota (3)	Total
	Thousand pounds			
1985	97,496	97,496	116,854	214,350
1986	81,092	81,092	153,057	234,149
1987	91,539	91,539	123,364	214,903
1988	85,185	85,185	193,784	278,969
1989	76,734	76,734	234,323	311,057
1990	87,158	87,158	171,472	258,630
1991	75,092	75,092	237,236	312,328
1992	73,724	73,724	259,740	333,464
1993	72,681	72,681	144,287	216,968
1994	73,294	73,294	168,225	241,519

(1) Imports have been subject to tariff quotas since April 14, 1956, and are based on 20 percent of the previous year's domestic pack, excluding the pack in American Samoa.

(2) Dutiable in 1956 to 1967 at 12.5 percent ad valorem; 1968, 11 percent; 1969, 10 percent; 1970, 8.5 percent; 1971, 7 percent; and 1972 to 1994, 6 percent.

(3) Dutiable in 1972 to 1994, 12.5 percent.

Note:--Data in this table will not agree with tuna import data released by the U.S. Department of Commerce, Bureau of the Census. Any tuna entered for consumption or withdrawn from a warehouse for consumption during the calendar year, except for receipts from insular possessions of the U.S., is subject to this quota.

Source:--U.S. Department of the Treasury, U.S. Customs Service.

CANNED TUNA, BY COUNTRY OF ORIGIN, 1993 AND 1994

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Thailand	139,501	141,280	171,249	194,818
Philippines	38,705	32,452	38,328	37,967
Indonesia	25,510	23,610	25,578	31,728
Taiwan	6,915	12,608	4,112	7,890
Malaysia	2,564	4,316	2,917	5,734
Ecuador	5,095	4,909	3,057	3,270
Colombia	3,456	3,511	1,627	1,657
Spain	145	416	598	961
South Korea	184	191	649	722
Other	2,344	2,536	928	1,203
Total	***224,419***	***225,829***	***249,043***	***285,950***

Source:--U.S. Department of Commerce, Bureau of the Census.

IMPORTS

SHRIMP IMPORTS, BY COUNTRY OF ORIGIN, 1993 AND 1994

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
North America:				
Mexico	44,940	211,452	50,576	254,022
Honduras	20,969	67,237	19,947	77,031
Panama	13,964	51,362	15,485	64,864
Guatemala	7,250	20,727	8,074	27,024
El Salvador	7,587	20,150	6,729	23,167
Canada	7,417	11,515	10,343	19,394
Nicaragua	2,241	8,167	4,626	17,548
Costa Rica	2,742	8,368	2,570	12,145
Belize	1,212	3,924	1,130	4,522
Greenland	1,064	3,226	1,499	3,784
Other	516	1,622	758	2,397
Total	*109,902*	*407,750*	*121,737*	*505,898*
South America:				
Ecuador	108,393	370,714	106,056	455,096
Venezuela	7,822	29,832	9,469	40,608
Brazil	9,816	29,163	10,212	33,767
Colombia	7,144	25,500	6,893	29,301
Peru	5,090	17,859	5,353	23,306
Guyana	5,764	14,497	6,824	16,857
Chile	739	2,596	395	1,250
Argentina	2,250	9,130	257	1,166
Uruguay	-	-	37	48
Suriname	38	161	4	5
Total	*147,056*	*499,452*	*145,500*	*601,404*
Europe:				
European Union:				
United Kingdom	47	152	482	1,770
Denmark	93	276	678	1,590
Italy	-	-	32	193
Belgium	-	-	25	178
Portugal	8	29	7	29
Other	163	478	5	35
Total	*311*	*935*	*1,229*	*3,795*
Other:				
Norway	443	1,321	2,882	7,526
Iceland	342	961	854	2,185
Faroe Islands	401	822	486	1,249
Sweden	9	29	38	115
Russia	2	1	19	36
Other	89	177	-	-
Total	*1,286*	*3,311*	*4,279*	*11,111*
Asia:				
Thailand	147,261	701,434	178,107	981,047
India	42,147	82,426	49,810	142,257
China	68,308	183,843	50,386	104,991
Indonesia	29,387	110,438	24,255	101,948
Bangladesh	21,062	79,453	19,020	97,689
Philippines	5,880	24,468	6,001	28,545
Pakistan	6,827	11,816	6,646	23,623
Singapore	5,880	20,627	8,455	21,217
Malaysia	4,342	12,138	4,805	20,361
Taiwan	2,042	7,854	3,631	11,458
Other	5,977	17,531	1,984	8,956
Total	*339,113*	*1,252,028*	*353,100*	*1,542,092*
Oceania	168	644	117	579
Africa	3,142	5,461	1,970	2,906
Grand total	*600,978*	*2,169,581*	*627,932*	*2,667,785*

Note:--Statistics on imports are the weights of the individual products as exported, i.e., raw headless, peeled, etc.

Source:--U.S. Department of Commerce, Bureau of the Census.

IMPORTS

SHRIMP IMPORTS, BY TYPE OF PRODUCT, 1993 AND 1994

Type of product	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Shell-on (heads off).....	341,144	1,315,147	335,377	1,548,691
Peeled:				
Canned.....	8,170	16,162	6,314	13,686
Not breaded:				
Raw.....	226,714	713,215	255,707	942,403
Other.....	23,186	119,110	29,471	158,393
Breaded.....	1,764	5,947	1,063	4,612
Total.....	*600,978*	*2,169,581*	*627,932*	*2,667,785*

Source:--U.S. Department of Commerce, Bureau of the Census.

FISH MEAL AND SCRAP IMPORTS, BY COUNTRY OF ORIGIN, 1993 AND 1994

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Peru.....	636,259	83,479	423,775	56,220
Chile.....	56,063	8,065	60,631	7,851
Canada.....	40,988	11,337	23,001	7,646
Panama.....	26,565	2,941	27,139	2,745
Iceland.....	-	-	11,967	2,192
Denmark.....	40	11	1,574	369
Norway.....	229	129	148	77
France.....	84	48	44	24
Taiwan.....	119	51	7	13
Other.....	317	84	2	5
Total.....	*760,664*	*106,145*	*548,288*	*77,142*

Source:--U.S. Department of Commerce, Bureau of the Census.

U.S. Exports of Edible Fishery Products, 1994
(Total Exports $3,126.1 million)

Exports by Continent

- Asia $2,190.5 million
- Africa $1.5 million
- Europe $367.4 million
- North America $532.7 million
- South America $10.2 million
- Australia & Oceania $23.8 million

EXPORTS

FISHERY PRODUCTS EXPORTS, BY PRINCIPAL ITEMS, 1993 AND 1994 (1)

Item	1993		1994	
Edible fishery products:	Thousand pounds	Thousand Dollars	Thousand pounds	Thousand Dollars
Fresh and frozen:				
Whole or eviscerated:				
Flatfish	154,840	106,842	196,595	157,082
Groundfish	97,798	77,514	115,506	102,611
Herring	99,617	48,150	90,446	53,670
Sablefish	46,096	91,433	37,159	89,572
Salmon	332,978	586,908	287,187	523,443
Tuna	21,660	34,728	28,512	48,941
Other	255,849	217,337	212,343	191,478
Fillets, and steaks:				
Cod	5,099	7,069	4,383	5,779
Other	43,748	67,069	38,869	58,970
Blocks and slabs	38,199	36,938	59,908	56,984
Surimi	330,807	302,199	314,731	319,354
Fish sticks and like products	33,095	39,385	24,464	30,243
Clams	2,368	3,412	1,953	2,607
Crabs	134,604	408,675	87,531	337,621
Crabmeat	2,515	7,551	3,269	9,250
Lobsters	20,979	95,362	32,705	142,068
Scallops (meats)	4,147	15,588	5,990	20,470
Sea urchins	6,651	12,262	7,518	13,795
Shrimp	41,819	155,281	39,707	151,533
Squid	52,544	34,427	109,577	60,171
Other fish and shellfish	27,530	51,662	27,348	52,844
Total, fresh and frozen	***1,752,943***	***2,399,792***	***1,725,701***	***2,428,486***
Canned:				
Salmon	84,610	160,596	90,915	163,632
Sardines	12,275	10,457	11,010	9,413
Tuna	8,534	11,788	8,391	11,827
Abalone	1,742	28,597	2,293	38,621
Crabmeat	668	1,577	511	1,864
Shrimp	2,557	7,358	1,841	7,288
Squid	4,533	2,456	8,591	3,891
Other fish and shellfish	12,551	13,292	14,544	13,473
Total, canned	***127,470***	***236,121***	***138,096***	***250,009***
Cured:				
Dried	2,961	14,517	4,266	16,013
Pickled or salted	4,414	5,934	6,259	7,745
Smoked or kippered	1,043	2,574	683	2,635
Total, cured	***8,418***	***23,025***	***11,208***	***26,393***
Caviar and roe:				
Herring	12,086	29,764	13,320	24,042
Pollock	24,275	106,115	20,353	91,207
Salmon	23,761	123,888	23,552	115,910
Sea Urchin	8,922	98,213	8,730	120,783
Other	13,721	48,129	12,674	47,140
Total, caviar and roe	***82,765***	***406,109***	***78,629***	***399,082***
Prepared meals	3,122	3,992	9,777	10,284
Other fish and shellfish	11,309	7,774	15,096	11,866
Total edible fishery products	***1,986,027***	***3,076,813***	***1,978,507***	***3,126,120***
Nonedible fishery products:				
Meal and scrap	212,859	51,833	159,937	37,253
Fish oils	184,488	28,460	242,788	39,029
Other	-	3,767,618	-	4,178,459
Total nonedible fishery products	-	***3,847,911***	-	***4,254,741***
Grand total	-	***6,924,724***	-	***7,380,861***

(1) Figures reflect both domestic and foreign (re-exports).

Source:--U.S. Department of Commerce, Bureau of the Census.

FOREIGN TRADE

EXPORTS

FISHERY PRODUCTS EXPORTS, 1985-94 (1)

Year	Edible		Nonedible	Total
	Thousand pounds	- - - - - - - - Thousand dollars - - - - - - - -		
1985	672,537	1,064,289	74,888	1,139,177
1986	754,258	1,325,615	68,193	1,393,808
1987	806,116	1,625,385	96,725	1,722,110
1988	1,085,935	2,213,326	125,061	2,338,387
1989	1,405,977	2,355,603	2,582,538	4,938,141
1990	1,947,292	2,881,262	3,084,677	5,965,939
1991	2,058,594	3,155,771	3,386,037	6,541,808
1992	*2,087,606	*3,465,667	3,653,965	7,119,632
1993	1,986,027	3,076,813	3,847,911	6,924,724
1994	1,978,507	3,126,120	*4,254,741	*7,380,861

(1) Figures reflect both domestic and foreign (re-exports). *Record.

NOTE:--The increase in the nonedible value beginning in 1989 is due to re-examination of commodities that are considered to be based on fishery products including fish, shellfish, aquatic plants and animals and any products thereof, including processed and manufactured products.

Source:--U.S. Department of Commerce, Bureau of the Census.

EXPORTS

EDIBLE AND NONEDIBLE FISHERY PRODUCTS EXPORTS, 1994 (1)

Continent and Country	Edible		Nonedible	Total
	Thousand pounds	- - - - - -Thousand dollars- - - - - -		
North America:				
Canada	239,536	439,546	1,017,220	1,456,766
Mexico	41,019	68,289	341,492	409,781
Dominican Republic	1,784	1,498	43,758	45,256
Panama	1,025	1,190	33,191	34,381
Netherlands Antilles	1,190	2,809	26,115	28,924
Other	11,118	19,328	113,903	133,231
Total	*295,672*	*532,660*	*1,575,679*	*2,108,339*
South America:				
Brazil	2,767	1,724	74,338	76,062
Argentina	869	591	44,779	45,370
Colombia	2,165	1,813	31,669	33,482
Venezuela	6,087	3,782	27,759	31,541
Peru	236	233	24,725	24,958
Other	1,507	2,048	54,918	56,966
Total	*13,631*	*10,191*	*258,188*	*268,379*
Europe:				
European Union:				
United Kingdom	55,086	96,138	168,925	265,063
France	46,760	72,519	101,601	174,120
Netherlands	25,642	29,914	121,638	151,552
Germany	16,859	24,038	113,316	137,354
Italy	19,793	28,861	73,887	102,748
Other	83,004	79,633	147,673	227,306
Total	*247,144*	*331,103*	*727,040*	*1,058,143*
Other:				
Switzerland	456	1,807	166,575	168,382
Sweden	14,832	23,744	14,944	38,688
Norway	2,760	4,658	10,466	15,124
Russia	14,169	2,563	10,414	12,977
Austria	44	51	10,085	10,136
Other	4,351	3,504	33,798	37,302
Total	*36,612*	*36,327*	*246,282*	*282,609*
Asia:				
Japan	1,094,350	1,881,796	481,612	2,363,408
South Korea	145,667	115,755	138,723	254,478
Hong Kong	16,318	50,870	191,809	242,679
Taiwan	23,098	57,115	117,863	174,978
Singapore	2,855	7,418	89,863	97,281
Other	82,988	77,548	305,905	383,453
Total	*1,365,276*	*2,190,502*	*1,325,775*	*3,516,277*
Oceania:				
Australia	14,597	20,988	74 638	95,626
New Zealand	1,193	1,694	14,353	16,047
French Polynesia	401	616	1,188	1,804
Fiji	858	335	976	1,311
Fed. Sts. of Micronesia	-	-	887	887
Other	385	198	1,204	1,402
Total	*17,434*	*23,831*	*93,246*	*117,077*
Africa:				
South Africa	2,039	1,184	16,955	18,139
Nigeria	-	-	3,353	3,353
Egypt	566	231	2,621	2,852
Mauritius	20	26	817	843
Tunisia	-	-	573	573
Other	113	65	4,212	4,277
Total	*2,738*	*1,506*	*28,531*	*30,037*
Grand total	*1,978,507*	*3,126,120*	*4,254,741*	*7,380,861*

(1) Figures reflect both domestic and foreign (re-exports).

Source:--U.S. Department of Commerce, Bureau of the Census.

FOREIGN TRADE

EXPORTS

FRESH AND FROZEN SHRIMP EXPORTS, BY COUNTRY OF DESTINATION, 1993 AND 1994 (1)

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Canada	21,641	85,761	17,946	78,432
Mexico	10,346	32,921	11,349	34,309
Japan	1,751	6,869	1,960	8,622
China	1,396	4,085	2,752	8,492
Honduras	764	5,751	710	4,018
Norway	895	3,069	497	2,029
Bermuda	330	1,549	366	1,866
Hong Kong	169	401	631	1,610
Thailand	342	1,469	323	1,238
Other	4,185	13,406	3,173	10,917
Total	*41,819*	*155,281*	*39,707*	*151,533*

(1) Figures reflect both domestic and foreign (re-export).
Source:--U.S. Department of Commerce, Bureau of the Census.

CANNED SHRIMP EXPORTS, BY COUNTRY OF DESTINATION, 1993 AND 1994 (1)

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Canada	732	2,780	863	3,932
Thailand	234	893	278	1,265
Ecuador	51	185	136	632
Belgium	178	869	45	299
South Korea	22	80	63	238
Greece	715	555	269	203
Germany	82	249	52	181
Philippines	12	48	20	107
Indonesia	46	235	16	98
Other	485	1,464	99	333
Total	*2,557*	*7,358*	*1,841*	*7,288*

(1) Figures reflect both domestic and foreign (re-export).
Source:--U.S. Department of Commerce, Bureau of the Census.

EXPORTS

FRESH AND FROZEN SALMON EXPORTS, WHOLE OR EVISCERATED, BY COUNTRY OF DESTINATION, 1993 AND 1994 (1)

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Japan	263,870	484,352	219,208	432,643
Canada	28,116	45,850	24,132	38,590
France	18,636	25,668	16,006	17,824
Denmark	3,728	4,815	5,055	5,407
Netherlands	869	1,540	3,552	4,558
Belgium	2,245	3,644	3,481	4,388
Sweden	4,093	4,094	3,702	3,484
South Korea	1,291	2,088	2,498	2,628
United Kingdom	2,754	3,514	1,865	2,130
Other	7,376	11,343	7,688	11,791
Total	*332,978*	*586,908*	*287,187*	*523,443*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

CANNED SALMON EXPORTS, BY COUNTRY OF DESTINATION, 1993 AND 1994 (1)

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
United Kingdom	45,016	90,314	41,796	80,211
Canada	20,584	36,953	24,974	45,424
Australia	8,026	14,856	10,511	17,472
Netherlands	6,087	10,103	8,304	13,287
Japan	679	1,084	1,841	1,855
Belgium	1,382	2,512	1,194	1,605
Ireland	503	905	714	1,188
New Zealand	987	1,673	555	853
Mexico	232	374	295	499
Other	1,114	1,822	731	1,238
Total	*84,610*	*160,596*	*90,915*	*163,632*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

EXPORTS

FRESH AND FROZEN CRAB EXPORTS, BY COUNTRY OF DESTINATION, 1993 AND 1994 (1)

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Japan	118,555	369,212	75,405	301,316
China	8,435	19,427	5,819	18,973
Canada	4,372	10,780	3,541	9,420
South Korea	1,913	4,992	2,137	5,434
Hong Kong	104	531	78	545
Germany	32	147	33	276
Mexico	91	197	78	238
United Kingdom	72	448	42	238
Taiwan	68	245	98	210
Other	962	2,696	300	971
Total	*134,604*	*408,675*	*87,531*	*337,621*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

FRESH AND FROZEN CRABMEAT EXPORTS, BY COUNTRY OF DESTINATION, 1993 AND 1994 (1)

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Japan	1,401	4,800	2,267	6,971
Canada	161	435	204	506
South Korea	-	-	179	443
Mexico	139	263	101	271
Belgium	70	187	25	175
Hong Kong	119	149	61	123
Singapore	14	86	23	93
Netherlands Antilles	34	105	37	81
Netherlands	14	32	22	75
Other	563	1,494	350	512
Total	*2,515*	*7,551*	*3,269*	*9,250*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

FRESH AND FROZEN HERRING EXPORTS, WHOLE OR EVISCERATED, BY COUNTRY OF DESTINATION, 1993 AND 1994 (1)

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Japan	65,969	41,377	69,311	49,054
Canada	4,751	2,012	7,216	2,810
China	3,370	1,670	872	923
Russia	22,996	1,019	12,679	653
Jordan	-	-	195	142
Taiwan	-	-	45	28
Mexico	6	2	36	22
Other	2,525	2,070	92	38
Total	*99,617*	*48,150*	*90,446*	*53,670*

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

EXPORTS

FISH AND MARINE ANIMAL OIL EXPORTS, BY COUNTRY OF DESTINATION, 1993 AND 1994 (1)

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Netherlands	86,507	11,662	142,341	20,209
Canada	19,419	4,067	29,710	6,082
United Kingdom	28,147	4,197	22,098	2,980
South Africa	20,941	3,164	18,731	2,729
Japan	15,406	2,301	16,341	2,088
Italy	1	10	4,409	1,486
South Korea	255	371	1,615	1,283
Mexico	5,802	1,019	3,525	908
Taiwan	538	167	920	598
Other	7,472	1,502	3,098	666
Total	***184,488***	***28,460***	***242,788***	***39,029***

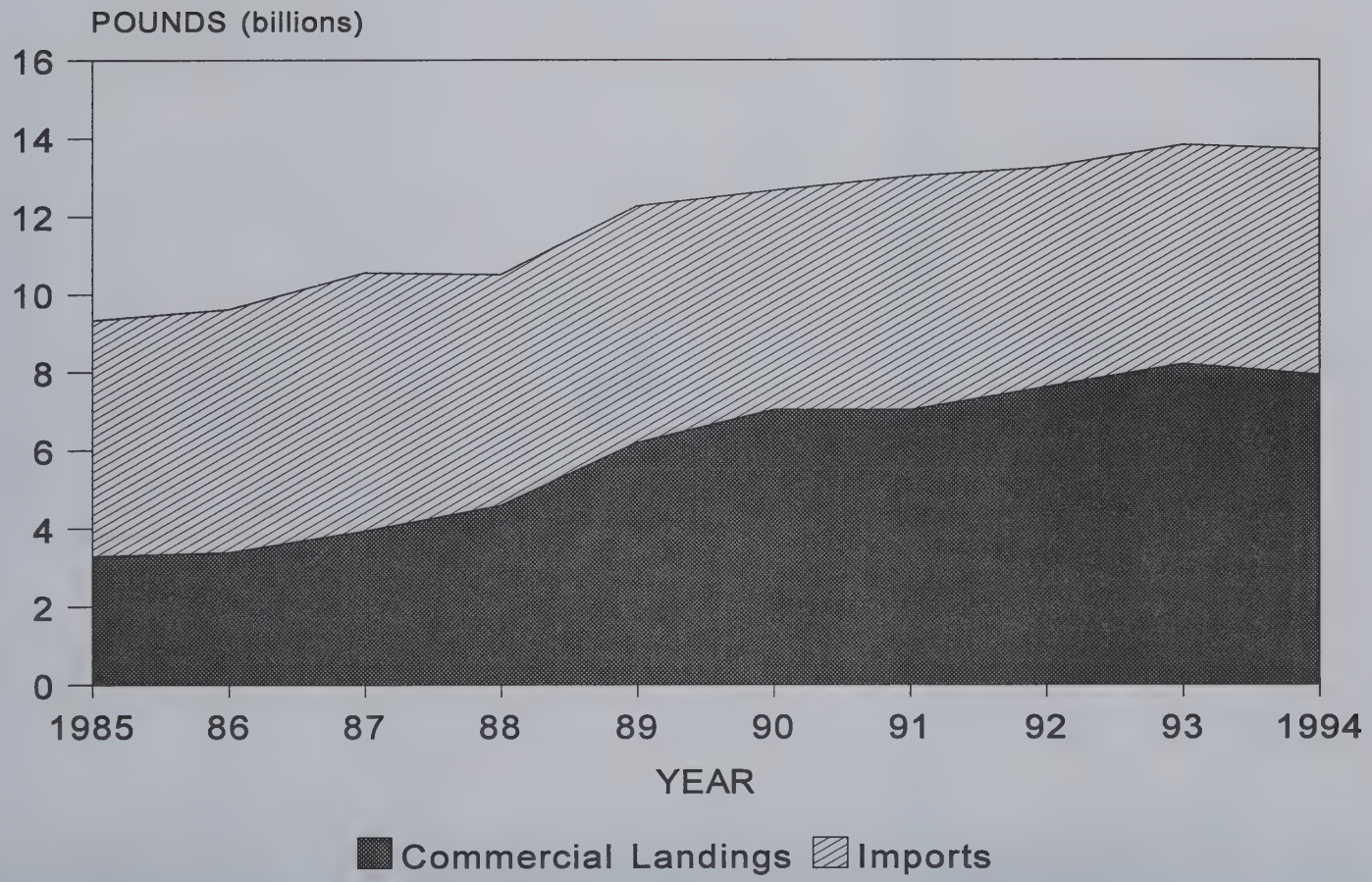
(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

FISH MEAL EXPORTS, BY COUNTRY OF DESTINATION, 1993 AND 1994 (1)

Country	1993		1994	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Taiwan	77,670	16,400	58,975	14,463
Canada	57,011	13,544	39,678	8,888
Japan	40,349	8,999	28,281	5,688
Thailand	1,931	2,072	8,126	2,213
China	10,708	2,077	7,676	1,164
Indonesia	3,668	1,946	1,647	948
Hong Kong	2,826	926	1,735	814
South Korea	2,637	1,058	3,871	768
Mexico	7,734	2,371	2,222	638
Other	8,325	2,440	7,726	1,669
Total	***212,859***	***51,833***	***159,937***	***37,253***

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

U.S. SUPPLY OF EDIBLE FISHERY PRODUCTS
(ROUND WEIGHT)
1985 - 1994



U.S. SUPPLY OF EDIBLE AND INDUSTRIAL COMMERCIAL FISHERY PRODUCTS, 1985-94
(Round weight)

Year	Domestic commercial landings (1)		Imports (2)		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1985	6,258	41.3	8,892	58.7	15,150
1986	6,031	42.0	8,337	58.0	14,368
1987	6,896	43.8	8,848	56.2	15,744
1988	7,192	49.2	7,436	50.8	14,628
1989	8,463	54.7	7,022	45.3	15,485
1990	9,404	57.5	6,945	42.5	16,349
1991	9,484	58.0	6,879	42.0	16,363
1992	9,637	59.8	6,469	40.2	16,106
1993	*10,467	51.5	9,867	48.5	*20,334
1994	10,461	54.2	8,848	45.8	19,309

(1) Preliminary.
(2) Excludes imports of edible fishery products consumed in Puerto Rico, but includes landings of foreign-caught tuna in American Samoa.
*Record. Records--1968 imports: 13 billion lb.

Note:--The weights of U.S. landings and imports represent the round (live) weight of all items except univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.) which are shown in weight of meats (excluding the shell).

U.S. SUPPLY OF EDIBLE COMMERCIAL FISHERY PRODUCTS, 1985-94
(Round weight)

Year	Domestic commercial landings (1)		Imports (2)		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1985	3,294	35.3	6,043	64.7	9,337
1986	3,393	35.3	6,227	64.7	9,620
1987	3,946	37.4	*6,615	62.6	10,561
1988	4,588	43.7	5,917	56.3	10,505
1989	6,204	50.6	6,064	49.4	12,268
1990	7,041	55.6	5,621	44.4	12,662
1991	7,031	54.0	5,989	46.0	13,020
1992	7,618	57.5	5,624	42.5	13,242
1993	*8,214	59.4	5,607	40.6	*13,821
1994	7,936	57.9	5,778	42.1	13,714

(1) Preliminary.
(2) Excludes imports of edible fishery products consumed in Puerto Rico, but includes landings of foreign-caught tuna in American Samoa. *Record.

U.S. SUPPLY OF INDUSTRIAL COMMERCIAL FISHERY PRODUCTS, 1985-94
(Round weight)

Year	Domestic commercial landings (1)		Imports		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1985	2,964	51.0	2,849	49.0	5,813
1986	2,638	55.6	2,110	44.4	4,748
1987	2,950	56.9	2,233	43.1	5,183
1988	2,604	63.2	1,519	36.8	4,123
1989	2,259	70.2	958	29.8	3,217
1990	2,363	64.1	1,324	35.9	3,687
1991	2,453	73.4	890	26.6	3,343
1992	2,019	70.5	845	29.5	2,864
1993	2,253	34.6	4,260	65.4	6,513
1994	2,525	45.1	3,070	54.9	5,595

(1) Preliminary. *Record. Records--1968 imports: 9 billion lb; 1968 total: 11 billion lb.

SUPPLY OF FISHERY PRODUCTS

U.S. SUPPLY OF COMMERCIAL FINFISH AND SHELLFISH, 1993 AND 1994

Item	Domestic commercial landings		Imports (1)		Total	
	1993	1994	1993	1994	1993	1994
	Million pounds--round weight					
Edible fishery products:						
Finfish	6,770	6,612	4,026	4,107	10,796	10,719
Shellfish	1,444	1,324	1,581	1,671	3,025	2,995
Total	***8,214***	***7,936***	***5,607***	***5,778***	***13,821***	***13,714***
Industrial fishery products:						
Finfish	2,229	2,520	(2) 4,260	(2) 3,070	6,489	5,590
Shellfish	24	5	(3)	(3)	24	5
Total	***2,253***	***2,525***	***(2) 4,260***	***(2) 3,070***	***6,513***	***5,595***
Total:						
Finfish	8,999	9,132	8,286	7,177	17,285	16,309
Shellfish	1,468	1,329	1,581	1,671	3,049	3,000
Total	***10,467***	***10,461***	***9,867***	***8,848***	***20,334***	***19,309***

See footnotes below.

VALUE OF U.S. SUPPLY OF COMMERCIAL FINFISH AND SHELLFISH, 1993 AND 1994

Item	Domestic commercial landings		Imports (1)		Total	
	1993	1994	1993	1994	1993	1994
	Million dollars					
Edible fishery products:						
Finfish	1,741	1,895	2,588	2,743	4,329	4,638
Shellfish	1,576	1,856	3,261	3,902	4,837	5,758
Total	***3,317***	***3,751***	***5,849***	***6,645***	***9,166***	***10,396***
Industrial fishery products:						
Finfish	143	89	106	77	170	166
Shellfish	11	6	(3)	(3)	11	6
Total	***154***	***95***	***(2) 106***	***(2) 77***	***181***	***172***
Total:						
Finfish	1,884	1,984	2,694	2,820	4,578	4,804
Shellfish	1,587	1,862	3,261	3,902	4,848	5,764
Total	***3,471***	***3,846***	***5,955***	***6,722***	***9,426***	***10,568***

(1) Excludes imports of edible fishery products consumed in Puerto Rico, but includes landings of foreign-caught tuna in American Samoa.
(2) Includes only quantity and value of fish meal.
(3) Not available.

Note:--Value of domestic commercial landings is exvessel value.

U.S. SUPPLY OF REGULAR AND MINCED BLOCKS, 1985-94
(Edible weight)

Year	U.S. Production	Imports	Total	Exports (1)	Total Supply
	Thousand pounds				
1985	2,551	334,060	336,611	(2)	336,611
1986	3,919	363,897	367,816	(2)	367,816
1987	13,559	403,577	417,136	(2)	417,136
1988	44,602	303,237	347,839	(2)	347,839
1989	30,898	283,278	314,176	35,296	278,880
1990	9,739	264,468	274,207	34,255	239,952
1991	22,013	290,485	312,498	14,502	297,996
1992	66,898	229,314	296,212	41,588	254,624
1993	37,860	211,569	249,429	38,199	211,230
1994	27,960	199,607	227,567	59,908	167,659

(1) For the period 1989-1991 data is estimated based on removal of surimi which was included in the export classification. (2) Not reported.

U.S. SUPPLY OF ALL FILLETS AND STEAKS, 1985-94
(Edible weight)

Year	U.S. Production (1)	Imports	Total	Exports	Total Supply
	Thousand pounds				
1985	245,525	536,725	782,250	25,742	756,508
1986	279,468	538,532	818,000	49,534	768,466
1987	356,081	620,985	977,066	66,036	911,030
1988	378,236	517,709	895,945	100,301	795,644
1989	371,082	517,620	888,702	68,931	819,771
1990	440,692	458,413	899,105	51,599	847,506
1991	472,668	440,018	912,686	69,086	843,600
1992	448,664	408,059	856,723	52,247	804,476
1993	420,169	440,354	860,523	48,847	811,676
1994	410,388	439,059	849,447	43,252	806,195

(1) Includes fillets used to produce blocks.

U.S. SUPPLY OF GROUNDFISH FILLETS AND STEAKS, 1985-94
(Edible weight)

Year	U.S. Production (1)	Imports	Total	Exports (2)	Total Supply
	Thousand pounds				
1985	93,292	305,690	398,982	(3)	398,982
1986	133,552	287,099	420,651	10,712	409,939
1987	199,743	315,418	515,161	12,341	502,820
1988	206,786	253,187	459,973	14,417	445,556
1989	211,498	265,001	476,499	9,652	466,847
1990	258,809	200,980	459,789	6,944	452,845
1991	264,323	202,409	466,732	34,442	432,290
1992	252,358	172,755	425,113	17,507	407,606
1993	233,755	186,516	420,271	12,242	408,029
1994	220,694	189,097	409,791	17,639	392,152

(1) Includes fillets used to produce blocks. Species include: cod, cusk, haddock, hake, pollock, and ocean perch. (2) Species include: cod 1986-94; pollock 1991-94. (3) Not reported.

U.S. COMMERCIAL LANDINGS AND IMPORTS OF TUNA, 1985-94

(Thousand pounds)

Year	Domestic commercial landings			Imports		
	Atlantic, Gulf Pacific Coast States, and Hawaii	Puerto Rico and American Samoa (1)	Total	Fresh and frozen including cooked loins and discs (2)	Canned	
					In oil	Not in oil
	(Round weight)				Product weight	
1985	83,054	433,083	516,137	482,742	303	213,645
1986	87,811	469,034	556,845	567,524	301	236,320
1987	100,058	526,186	626,244	578,883	329	211,356
1988	111,349	497,975	609,324	557,488	318	244,186
1989	89,413	452,050	541,463	664,302	422	347,790
1990	62,393	451,410	513,803	564,322	423	284,170
1991	35,695	484,168	519,863	629,846	344	351,400
1992	56,803	520,579	577,382	546,201	302	323,111
1993	55,392	432,588	487,980	546,011	344	224,075
1994	71,795	487,863	559,658	561,866	322	248,721

(1) Includes a quantity of fish landed at other ports by U.S.-flag vessels.
(2) Includes landing in American Samoa of foreign caught fish.

U.S. SUPPLY OF CANNED TUNA, 1985-94

(Canned weight)

Year	Domestic production		Imports	Total	Exports	Total supply
	Albacore	Lightmeat				
	Thousand pounds					
1985	132,001	412,992	213,948	758,941	(1)	758,941
1986	157,341	479,490	236,621	873,452	(1)	873,452
1987	139,888	514,095	211,685	865,668	(1)	865,668
1988	131,114	467,067	244,504	842,685	(1)	842,685
1989	137,284	548,983	348,212	1,034,479	6,495	1,027,984
1990	131,879	448,722	284,593	865,194	9,039	856,155
1991	121,700	471,086	351,744	944,530	11,310	933,220
1992	144,097	464,884	323,413	932,394	10,141	922,253
1993	149,974	468,769	224,419	843,162	8,534	834,628
1994	160,476	449,044	249,043	858,563	8,391	850,172

(1) Not reported. Record--1978 U.S.Pack: 704,793,000 lb.

U.S. SUPPLY OF CANNED SARDINES, 1985-94
(Canned weight)

Year	U.S. pack	Imports		Total	Exports	Total supply
		In oil	Not in oil			
	Thousand pounds					
1985.....	20,016	23,009	34,213	77,238	1,099	76,139
1986.....	15,601	22,949	30,315	68,865	558	68,307
1987.....	13,116	27,352	37,670	78,138	1,157	76,981
1988.....	18,611	22,813	30,546	71,970	8,717	63,253
1989.....	13,221	21,771	34,608	69,600	9,070	60,530
1990.....	13,240	18,660	38,303	70,203	9,048	61,155
1991.....	13,986	16,570	31,945	62,501	10,668	51,833
1992.....	17,437	13,164	23,347	53,948	12,690	41,258
1993.....	14,354	14,314	24,797	53,465	12,275	41,190
1994.....	15,560	14,308	29,634	59,502	11,010	48,492

U.S. SUPPLY OF CANNED SALMON, 1985-94
(Canned weight)

Year	U.S. pack	Imports	Total	Exports	Total supply
	Thousand pounds				
1985.....	158,943	1,958	160,901	48,279	112,622
1986.....	141,756	4,622	146,378	59,434	86,944
1987.....	105,206	6,652	111,858	36,108	75,750
1988.....	88,419	3,528	91,947	32,993	58,954
1989.....	197,044	2,943	199,987	40,497	159,490
1990.....	196,383	1,378	197,761	49,546	148,215
1991.....	195,744	983	196,727	66,134	130,593
1992.....	149,453	974	150,427	77,895	72,532
1993.....	198,344	428	198,772	84,610	114,162
1994.....	206,841	1,093	207,934	90,915	117,019

U.S. SUPPLY OF CLAM MEATS, 1985-94
(Meat weight)

Year	U.S. commercial landings				Imports (1)	Total	Exports	Total supply
	Hard	Soft	Surf	Other				
	Thousand pounds							
1985.....	16,697	7,865	72,520	53,469	12,979	163,530	971	162,559
1986.....	11,793	5,887	78,749	48,964	16,880	162,273	1,243	161,030
1987.....	11,418	7,469	60,744	54,726	17,641	151,998	1,157	150,841
1988.....	12,371	6,814	63,545	49,010	14,872	146,612	1,458	145,154
1989.....	9,278	6,829	67,072	54,987	13,254	151,420	1,863	149,557
1990.....	9,833	5,756	71,772	51,837	15,830	155,028	2,961	152,067
1991.....	12,311	4,225	66,219	51,488	12,291	146,534	2,948	143,586
1992.....	12,346	3,937	74,584	51,582	14,262	156,711	1,662	155,049
1993.....	15,609	4,472	73,913	53,758	9,579	157,331	1,809	155,522
1994.....	11,495	2,765	68,448	48,719	15,507	146,934	2,617	144,317

(1) Imports and exports were converted to meat weight by using these conversion factors: 0.40, in shell or shucked; 0.30 canned chowder and juice; and 0.93, other. (2) Not reported.

SUPPLY OF FISHERY PRODUCTS

U.S. SUPPLY OF KING CRAB, 1985-94
(Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (1)	Total supply
	Thousand pounds				
1985	15,363	(2)	15,363	4,814	10,549
1986	25,909	(2)	25,909	7,215	18,694
1987	29,065	(2)	29,065	15,039	14,026
1988	20,973	(2)	20,973	10,554	10,419
1989	26,391	5,150	31,541	(3) 13,196	18,345
1990	33,917	4,925	38,842	(3) 19,486	19,356
1991	28,140	7,087	35,227	15,320	19,907
1992	19,056	11,958	31,014	16,241	14,773
1993	24,732	7,395	32,127	24,372	7,755
1994	11,960	15,035	26,995	15,013	11,982

(1) Imports, exports, foreign exports converted to round (live) weight by using these conversion factors: frozen, 1.75; meat, 4.50; and canned, 5.33 (2) Not reported. (3) Estimated, based on available foreign import data.

U.S. SUPPLY OF SNOW (TANNER) CRABS, 1985-94
(Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (2)	Total supply
	Thousand pounds				
1985	85,742	6,572	92,314	47,615	44,699
1986	110,000	5,510	115,510	67,057	48,453
1987	113,812	7,706	121,518	92,644	28,874
1988	146,326	6,765	153,091	122,741	30,350
1989	164,643	3,927	168,570	(3) 111,028	57,542
1990	213,395	10,772	224,167	(3) 187,069	37,098
1991	357,122	19,091	376,213	(3) 316,162	60,051
1992	350,039	18,882	368,921	281,214	87,707
1993	255,733	31,224	286,957	220,618	66,339
1994	159,574	27,446	187,020	147,006	40,014

(1) Converted to round (live) weight by multiplying canned weight by 5.00; fresh and frozen, 1.50; and meat, 4.50. (2) Domestic merchandise converted to round (live) weight by multiplying frozen weight by 2.13 (belived to be mostly sections); meat, 4.50; and canned, 5.33. Foreign exports converted using the same factors as imports. (3) Estimated, based on available foreign import data.

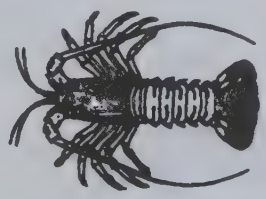
U.S. SUPPLY OF CANNED CRABMEAT, 1985-94
(Canned weight)

Year	U.S. pack	Imports	Total	Exports	Total supply
	Thousand pounds				
1985	553	7,584	8,137	141	7,996
1986	591	8,778	9,369	50	9,319
1987	200	7,967	8,167	63	8,104
1988	359	7,720	8,079	250	7,829
1989	504	8,280	8,784	930	7,854
1990	695	8,563	9,258	434	8,824
1991	77	11,385	11,462	525	10,937
1992	99	9,577	9,676	789	8,887
1993	70	9,817	9,887	668	9,219
1994	42	9,852	9,894	511	9,383

U.S. SUPPLY OF AMERICAN LOBSTERS,1985-94
(Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (2)	Total supply
	Thousand pounds				
1985	46,152	61,666	107,818	(3)	107,818
1986	46,053	67,293	113,346	(3)	113,346
1987	45,558	70,207	115,765	(3)	115,765
1988	48,643	72,638	121,281	(3)	121,281
1989	52,926	42,530	95,456	10,310	85,146
1990	61,017	49,592	110,609	15,274	95,335
1991	63,337	65,381	128,718	21,485	107,233
1992	55,841	59,335	115,176	20,332	94,844
1993	56,513	55,570	112,083	20,354	91,729
1994	66,416	65,949	132,365	31,646	100,719

(1) Only imports from Canada and St. Pierre and Miquelon are considered American lobster and were converted to round (live) by using these conversion factors: 1.00, Whole; 4.50, meat; and 4.64, canned. (2) Domestic exports converted to live weight by 1.00, whole; 4.00, meat; and 4.50, canned. Foreign exports converted using import factors. (3) Not reported.



U.S. SUPPLY OF SPINY LOBSTERS,1985-94
(Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (2)	Total supply
	Thousand pounds				
1985	5,311	148,577	153,888	(3)	153,888
1986	6,775	145,097	151,872	(3)	151,872
1987	5,755	145,706	151,461	(3)	151,461
1988	7,166	132,071	139,237	(3)	139,237
1989	8,125	87,793	95,918	6,373	89,545
1990	7,120	88,426	95,546	6,948	88,598
1991	7,096	81,332	88,428	3,388	85,040
1992	4,872	77,848	82,720	2,001	80,719
1993	6,076	70,884	76,960	1,306	75,654
1994	8,104	68,787	76,891	1,304	75,587

(1) Imports were converted to round (live) weight by using these conversion factors: 1.00, whole; 3.00, tails; 4.35, other; and 4.50 canned. (2) Domestic exports converted to round weight by using: 1.00, whole; 3.00, tails, 4.00, other; 4.50, canned. Foreign exports converted using import factors. (3) Not reported.

SUPPLY OF FISHERY PRODUCTS

U.S. SUPPLY OF OYSTERS, 1985-94
(Meat weight)

Year	U.S. commercial landings		Imports (2)	Total	Exports	Total supply
	Eastern	Pacific (1)				
	Thousand pounds					
1985	43,085	7,796	45,926	96,807	(3)	96,807
1986	39,140	9,629	50,038	98,807	(3)	98,807
1987	29,957	9,850	52,085	91,892	(3)	91,892
1988	23,916	7,976	46,414	78,306	(3)	78,306
1989	21,398	7,852	37,662	66,912	1,090	65,822
1990	18,395	10,798	27,546	56,739	1,004	55,735
1991	21,933	9,926	15,674	47,533	739	46,794
1992	29,654	6,502	14,891	51,047	797	50,250
1993	27,199	6,376	15,285	48,860	1,131	47,729
1994	27,343	10,743	13,649	51,735	1,988	49,747

(1) Includes Western and Eastern oyster landings for Washington and California. (2) Imports and exports were converted to meat weight by using these conversion factors: 0.93, canned; 3.12, canned smoked; and 0.75, other. (3) Not reported.

U.S. SUPPLY OF SCALLOP MEATS, 1985-94
(Meat weight)

Year	U.S. commercial landings			Imports	Total	Exports	Total supply
	Bay	Calico	Sea				
	Thousand pounds						
1985	1,331	12,513	15,829	42,035	71,708	1,116	70,592
1986	735	1,616	19,992	47,916	70,259	1,205	69,054
1987	580	8,155	32,038	39,934	80,707	1,343	79,364
1988	569	11,868	30,557	32,039	75,033	1,369	73,664
1989	274	6,580	33,757	40,874	81,485	2,498	78,987
1990	539	1,135	39,917	39,839	81,430	7,099	74,331
1991	438	(1)	39,302	29,528	69,268	7,083	62,185
1992	356	(1)	33,528	38,682	72,566	3,589	68,977
1993	522	(1)	18,116	51,973	70,611	4,147	66,464
1994	79	7,162	18,228	56,676	82,145	5,990	76,155

(1) Confidential data.

U.S. SUPPLY OF ALL FORMS OF SHRIMP, 1985-94
(Heads-off weight)

Year	U.S. Commercial landings (3)	Imports (2)	Total	Exports (1)		Total supply
				Fresh and frozen	Canned	
	Thousand pounds					
1985....	207,239	452,232	659,471	23,443	3,497	632,531
1986....	244,409	492,005	736,414	26,198	4,252	705,964
1987....	223,514	583,030	806,544	28,885	4,928	772,731
1988....	203,350	598,210	801,560	30,280	4,504	766,776
1989....	215,825	563,523	779,348	31,715	4,341	743,292
1990....	213,899	579,427	793,326	54,186	5,497	733,643
1991....	198,115	632,775	830,890	82,325	4,861	743,704
1992....	207,086	694,254	901,340	77,672	3,932	819,736
1993....	180,687	708,683	889,370	76,228	5,219	807,923
1994....	174,969	749,993	924,962	73,995	3,760	847,207

(1) Exports were converted to heads-off weight by using these conversion factors: domestic--fresh and frozen, 1.18; other, 2.40; and canned, 2.02; foreign--fresh and frozen, 1.00; canned, 2.52; and other, 2.40.
(2) Imports were converted to heads-off weight by using these conversion factors: breaded, 0.63; shell-on, 1.00; peeled raw, 1.28; canned, 2.52; and other, 2.40.
(3) Commercial landings were converted to heads-off weight by using these conversion factors: South Atlantic and Gulf, 0.629; and New England, Pacific and other, 0.57.

U.S. SUPPLY OF CANNED SHRIMP, 1985-94
(Canned weight)

Year	U.S. pack	Imports	Total	Exports	Total supply
	Thousand pounds				
1985.....	4,001	17,088	21,089	1,698	19,391
1986.....	4,596	15,757	20,353	2,077	18,276
1987.....	4,382	17,132	21,514	2,419	19,095
1988.....	4,476	14,138	18,614	2,187	16,427
1989.....	2,623	11,315	13,938	2,128	11,810
1990.....	710	9,735	10,445	2,670	7,775
1991.....	632	9,361	9,993	2,352	7,641
1992.....	640	9,273	9,913	1,931	7,982
1993.....	658	8,170	8,828	2,557	6,271
1994.....	467	6,314	6,781	1,841	4,940

SUPPLY OF FISHERY PRODUCTS

U.S. SUPPLY OF FISH MEAL AND SOLUBLES, 1985-94
(Product weight)

Year	Domestic production (1)	Imports (2)	Total	Exports	Total supply
	Thousand pounds				
1985	883,196	510,654	1,393,850	69,974	1,323,876
1986	799,826	370,548	1,170,374	77,972	1,092,402
1987	911,622	393,730	1,305,352	104,086	1,201,266
1988	755,520	265,310	1,020,830	153,946	866,884
1989	734,736	171,112	905,848	107,350	798,498
1990	670,328	239,426	909,754	141,888	767,866
1991	697,520	158,916	856,436	206,320	650,116
1992	691,016	150,911	841,927	258,511	583,416
1993	814,196	760,664	1,574,860	212,859	1,362,001
1994	889,448	548,288	1,437,736	159,937	1,277,799

(1) Includes shellfish meal production plus the production of U.S. solubles. (2) Data do not include imports of fish solubles.

Note:--Wet weight of solubles has been converted to dry weight by reducing its poundage by one-half.

U.S. SUPPLY OF FISH MEAL, 1985-94
(Product weight)

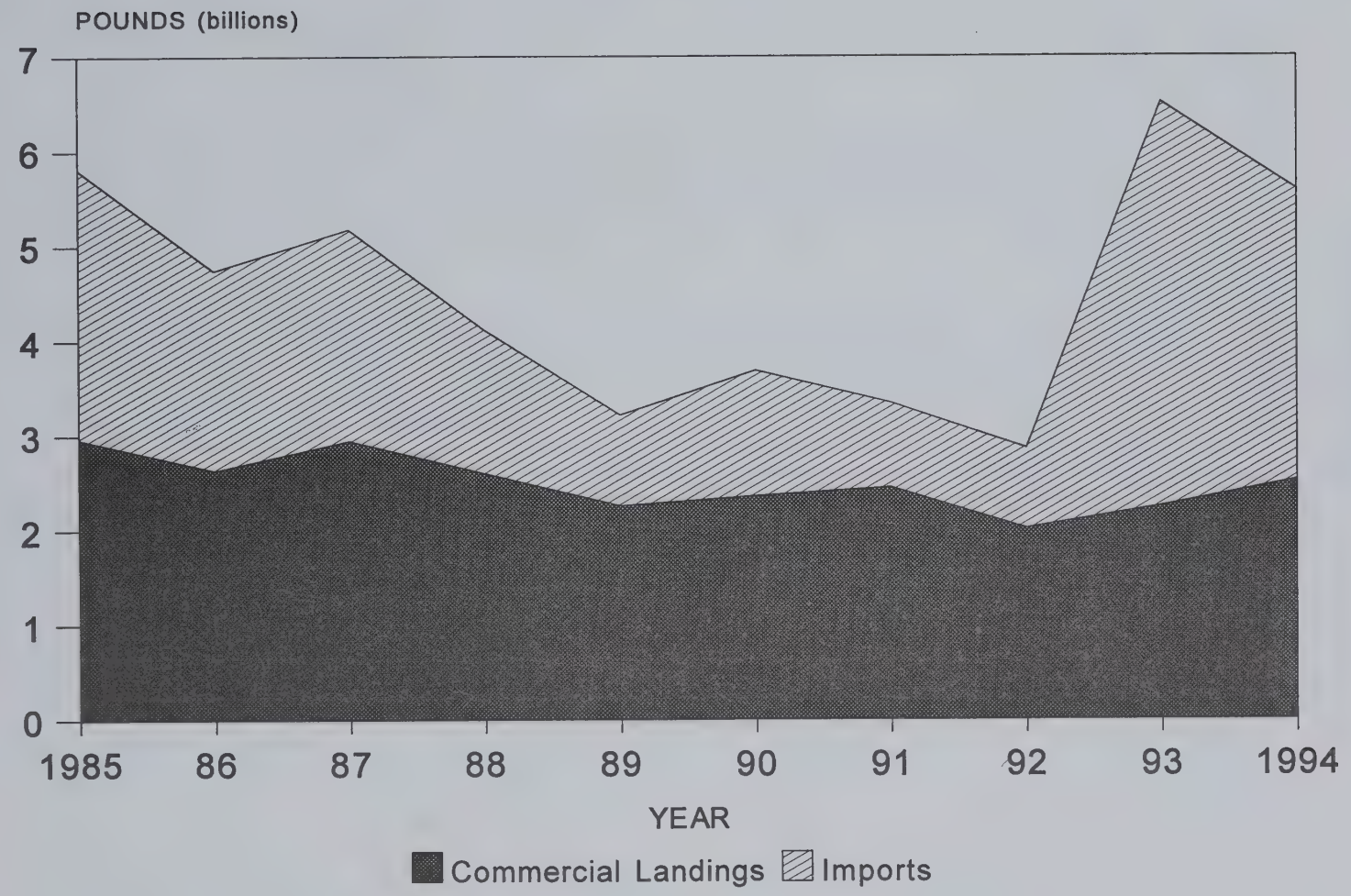
Year	Domestic production (1)	Imports	Total	Exports	Total supply
	Thousand pounds				
1985	721,682	510,654	1,232,336	69,974	1,162,362
1986	702,194	370,548	1,072,742	77,972	994,770
1987	*786,978	393,730	393,730	104,086	289,644
1988	643,796	265,310	909,106	153,946	755,160
1989	618,382	171,112	789,494	107,350	682,144
1990	577,498	239,426	816,924	141,888	675,036
1991	612,716	158,916	771,632	206,320	565,312
1992	644,512	150,911	795,423	258,511	536,912
1993	750,744	760,664	1,511,408	212,859	1,298,549
1994	816,164	548,288	1,364,452	159,937	1,204,515

(1) Includes shellfish meal. *Record. Records--1968 imports: 1,710,570,000 lb; 1968 total supply 2,180,842,000 lb.

U.S. SUPPLY OF FISH OILS, 1985-94

Year	Domestic production	Imports	Total	Exports	Total supply
	Thousand pounds				
1985	285,077	17,254	302,331	273,107	23,224
1986	336,708	19,212	355,920	192,218	163,702
1987	298,496	25,697	324,193	249,246	74,947
1988	224,733	27,667	252,400	150,002	102,398
1989	225,478	25,449	250,927	198,009	52,918
1990	281,949	36,702	318,651	236,589	82,062
1991	267,345	21,828	289,173	254,525	34,648
1992	184,725	23,772	208,497	177,444	31,053
1993	293,452	26,052	319,504	184,488	135,016
1994	291,189	40,642	331,831	242,788	89,043

SUPPLY OF INDUSTRIAL FISHERY PRODUCTS
(ROUND WEIGHT)
1985 - 1994



PER CAPITA

U.S. CONSUMPTION

Annual per capita consumption of seafood products represents the pounds of edible meat consumed from domestically-caught and imported fish and shellfish adjusted for beginning and ending inventories, and exports, divided by the civilian population of the United States as of July 1 of each year.

U.S. ANNUAL PER CAPITA CONSUMPTION OF COMMERCIAL FISH AND SHELLFISH, 1909-94

Year	Civilian resident population July 1 (1)	Per capita consumption			
		Fresh and frozen (2)	Canned (3)	Cured (4)	Total
	Million persons	- - - - - - - - Pounds, edible meat - - - - - - - -			
1909 (5)	90.5	4.3	2.7	*4.0	11.0
1910	92.2	4.5	2.8	3.9	11.2
1911	93.9	4.8	2.8	3.7	11.3
1912	95.3	5.0	2.9	3.4	11.3
1913	97.2	5.3	2.9	3.3	11.5
1914	99.1	5.6	3.0	3.1	11.7
1915	100.5	5.8	2.4	3.0	11.2
1916	102.0	6.0	2.2	2.8	11.0
1917	103.3	6.2	2.0	2.7	10.9
1918	103.2	6.4	2.0	2.5	10.9
1919	104.5	6.4	2.8	2.4	11.6
1920	106.5	6.3	3.2	2.3	11.8
1921	108.5	6.2	2.2	2.1	10.5
1922	110.0	6.1	3.2	2.0	11.3
1923	111.9	6.0	2.9	1.8	10.7
1924	114.1	6.1	3.2	1.7	11.0
1925	115.8	6.3	3.2	1.6	11.1
1926	117.4	6.6	3.4	1.4	11.4
1927	119.0	7.0	3.9	1.3	12.2
1928	120.5	7.1	3.9	1.1	12.1
1929	121.8	6.9	3.9	1.1	11.9
1930	122.9	5.8	3.4	1.0	10.2
1931	123.9	4.9	3.2	0.7	8.8
1932	124.7	4.3	3.4	0.7	8.4
1933	125.4	4.2	3.9	0.6	8.7
1934	126.2	4.3	4.2	0.7	9.2
1935	127.1	5.1	4.7	0.7	10.5
1936	127.9	5.2	*5.8	0.7	11.7
1937	128.6	5.6	5.3	0.9	11.8
1938	129.6	5.2	4.8	0.8	10.8
1939	130.7	5.3	4.7	0.7	10.7
1940	132.1	5.7	4.6	0.7	11.0
1941	132.1	6.3	4.2	0.7	11.2
1942	131.4	5.2	2.9	0.6	8.7
1943	128.0	5.5	1.8	0.6	7.9
1944	127.2	5.5	2.6	0.6	8.7
1945	128.1	6.6	2.6	0.7	9.9
1946	138.9	5.9	4.2	0.7	10.8
1947	143.1	5.8	3.8	0.7	10.3
1948	145.7	6.0	4.4	0.7	11.1
1949	148.2	5.8	4.5	0.6	10.9
1950	150.8	6.3	4.9	0.6	11.8
1951	151.6	6.3	4.3	0.6	11.2
1952	153.9	6.2	4.3	0.7	11.2
1953	156.6	6.4	4.3	0.7	11.4
1954	159.7	6.2	4.3	0.7	11.2
1955	163.0	5.9	3.9	0.7	10.5
1956	166.1	5.7	4.0	0.7	10.4
1957	169.1	5.5	4.0	0.7	10.2
1958	172.2	5.7	4.3	0.6	10.6
1959	175.3	5.9	4.4	0.6	10.9
1960	178.1	5.7	4.0	0.6	10.3
1961	181.1	5.9	4.3	0.5	10.7
1962	183.7	5.8	4.3	0.5	10.6
1963	186.5	5.8	4.4	0.5	10.7
1964	189.1	5.9	4.1	0.5	10.5
1965	191.6	6.0	4.3	0.5	10.8
1966	193.4	6.1	4.3	0.5	10.9
1967	195.3	5.8	4.3	0.5	10.6
1968	197.1	6.2	4.3	0.5	11.0
1969	199.1	6.6	4.2	0.4	11.2

See notes at end of table.

(Continued)

U.S. ANNUAL PER CAPITA CONSUMPTION OF COMMERCIAL FISH AND SHELLFISH, 1909-94 - Continued

Year	Civilian resident population July 1 (1)	Per capita consumption			
		Fresh and frozen (2)	Canned (3)	Cured (4)	Total
	Million persons	Pounds, edible meat			
1970	201.9	6.9	4.5	0.4	11.8
1971	204.9	6.7	4.3	0.5	11.5
1972	207.5	7.1	4.9	0.5	12.5
1973	209.6	7.4	5.0	0.4	12.8
1974	211.6	6.9	4.7	0.5	12.1
1975	213.8	7.5	4.3	0.4	12.2
1976	215.9	8.2	4.2	0.5	12.9
1977	218.1	7.7	4.6	0.4	12.7
1978	220.5	8.1	5.0	0.3	13.4
1979	223.0	7.8	4.8	0.4	13.0
1980	225.6	7.9	4.3	0.3	12.5
1981	227.8	7.8	4.6	0.3	12.7
1982	230.0	7.9	4.3	0.3	12.5
1983	232.1	8.4	4.7	0.3	13.4
1984	234.1	9.0	4.9	0.3	14.2
1985	236.2	9.8	5.0	0.3	15.1
1986	238.4	9.8	5.4	0.3	15.5
1987	240.6	*10.7	5.2	0.3	*16.2
1988	242.8	10.0	4.9	0.3	15.2
1989	245.1	10.2	5.1	0.3	15.6
1990	247.8	9.6	5.1	0.3	15.0
1991	250.5	9.7	4.9	0.3	14.9
1992	253.5	9.9	4.6	0.3	14.8
1993	256.4	10.2	4.5	0.3	15.0
1994	259.2	10.4	4.5	0.3	15.2

(1) Resident population for 1909 to 1929 and civilian resident population for 1930 to date. Population estimates for the years 1980 to 1991 are revised to reflect changes between the 1980 and 1990 decennial population enumeration. Changes did not significantly alter pounds consumed per capita.
(2) Fresh and frozen fish consumption from 1910 to 1928 is estimated. Beginning in 1973, data include consumption of artificially cultivated catfish. Domestic landings used in calculating consumption are preliminary after 1977.
(3) Canned fish consumption for 1911 to 1920 is estimated. Beginning in 1921, it is based on production reports, packer stocks, and foreign trade statistics for individual years.
(4) Cured fish consumption for 1910 to 1928 is estimated.
(5) Data for 1909 estimate based on the 1908 census and foreign trade data.
*Record.

PER CAPITA

U.S. CONSUMPTION

U.S. ANNUAL PER CAPITA CONSUMPTION OF CANNED FISHERY PRODUCTS, 1974-94

Year	Salmon	Sardines	Tuna	Shellfish	Other	Total
	Pounds					
1974	0.3	0.4	3.1	0.5	0.4	4.7
1975	0.3	0.2	2.9	0.5	0.4	4.3
1976	0.3	0.3	2.8	0.4	0.4	4.2
1977	0.5	0.3	2.8	0.6	0.4	4.6
1978	0.6	0.3	3.3	0.5	0.3	5.0
1979	0.5	0.3	3.2	0.5	0.3	4.8
1980	0.5	0.3	3.0	0.4	0.1	4.3
1981	0.5	0.4	3.0	0.4	0.3	4.6
1982	0.5	0.3	2.8	0.4	0.3	4.3
1983	0.5	0.2	3.2	0.4	0.4	4.7
1984	0.6	0.2	3.2	0.4	0.5	4.9
1985	0.5	0.3	3.3	0.5	0.4	5.0
1986	0.5	0.3	3.6	0.5	0.5	5.4
1987	0.4	0.3	3.5	0.5	0.5	5.2
1988	0.3	0.3	3.6	0.4	0.3	4.9
1989	0.3	0.3	3.9	0.4	0.2	5.1
1990	0.4	0.3	3.7	0.3	0.4	5.1
1991	0.5	0.2	3.6	0.4	0.2	4.9
1992	0.5	0.2	3.5	0.3	0.1	4.6
1993	0.4	0.2	3.5	0.3	0.1	4.5
1994	0.4	0.2	3.3	0.3	0.3	4.5

NOTE:--Domestic landings data used in calculating these data are preliminary after 1977.

U.S. ANNUAL PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1974-94

Year	Fillets and steaks (1)	Sticks and portions	Shrimp all preparation
	Pounds (2)		
1974	2.1	1.8	1.5
1975	2.4	1.8	1.4
1976	2.5	2.0	1.5
1977	2.5	2.0	1.6
1978	2.7	2.2	1.5
1979	2.7	*2.2	1.3
1980	2.4	2.0	1.4
1981	2.4	1.8	1.5
1982	2.5	1.7	1.5
1983	2.7	1.8	1.7
1984	3.0	1.8	1.9
1985	3.2	1.8	2.0
1986	3.4	1.8	2.2
1987	*3.6	1.7	2.4
1988	3.2	1.5	2.4
1989	3.1	1.5	2.3
1990	3.1	1.5	2.2
1991	3.0	1.2	2.4
1992	2.9	0.9	2.5
1993	2.9	1.0	2.5
1994	3.1	0.9	*2.6

(1) Data include groundfish and other species. Data do not include blocks, but fillets could be made into blocks from which sticks and portions could be produced.
(2) Product weight of fillets and steaks and sticks and portions, edible (meat) weight of shrimp.
*Record.

Note:--Domestic landings data used in calculating these data are preliminary after 1977.

PER CAPITA

U.S. USE

Per capita use of commercial fish and shellfish is based on the supply of fishery products, both edible and nonedible (industrial), on a round weight equivalent basis, without considering beginning or ending stocks, defense purchases, or exports.

Per capita use figures are not comparable with per capita consumption data. Per capita consumption figures represent edible (for human use) meat weight consumption rather than round weight consumption. In addition, per capita consumption includes allowances for beginning and ending stocks and exports, whereas the use does not include such allowances.

Per capita use is derived by using total population including U.S. Armed Forces overseas. The per capita consumption is derived by using civilian resident population.

U.S ANNUAL PER CAPITA USE OF COMMERCIAL FISH AND SHELLFISH, 1959-94 (1)

Year	Total population including armed forces overseas July 1	Total U.S. supply	Per capita utilization		
			Commercial landings	Imports	Total
	Million persons	Million pounds	Pounds		
1959	177.8	8,460	28.8	18.8	47.6
1960	180.7	8,223	27.3	18.2	45.5
1961	183.7	9,570	28.2	23.9	52.1
1962	186.5	10,408	28.7	27.1	55.8
1963	189.2	11,434	25.6	34.8	60.4
1964	191.9	12,031	23.7	39.0	62.7
1965	194.3	10,535	24.6	29.6	54.2
1966	196.6	12,469	22.2	41.2	63.4
1967	198.7	13,991	20.4	50.0	70.4
1968	200.7	17,381	20.7	65.9	86.6
1969	202.7	11,847	21.4	37.0	58.4
1970	205.1	11,474	24.0	31.9	55.9
1971	207.7	11,804	24.1	32.7	56.8
1972	209.9	13,849	22.9	43.1	66.0
1973	211.9	10,378	22.9	26.1	49.0
1974	213.9	9,875	23.2	23.0	46.2
1975	216.0	10,164	22.6	24.5	47.1
1976	218.0	11,593	24.7	28.5	53.2
1977	220.2	10,652	23.9	24.4	48.3
1978	222.6	11,509	27.1	24.6	51.7
1979	225.1	11,831	27.9	24.7	52.6
1980	227.7	11,357	28.5	21.4	49.9
1981	230.0	11,353	26.0	23.4	49.4
1982	232.2	12,011	27.4	24.3	51.7
1983	234.3	12,352	27.5	25.2	52.7
1984	236.3	12,552	27.3	25.8	53.1
1985	238.5	15,150	26.2	37.3	63.5
1986	240.7	14,368	25.1	34.6	59.7
1987	242.8	15,744	28.4	36.4	64.8
1988	245.0	14,628	29.3	30.4	59.7
1989	247.3	15,485	34.2	28.4	62.6
1990	249.9	16,349	37.6	27.8	65.4
1991	252.7	16,363	37.5	27.3	64.8
1992	255.5	16,106	37.7	25.3	63.0
1993	258.2	20,334	40.6	38.2	78.8
1994	260.7	19,309	40.1	34.0	74.1

(1) Data include U.S. commercial landings and imports of both edible and nonedible (industrial) fishery products on a round weight basis. "Total supply" is not adjusted for beginning and ending stocks, defense purchases, or exports.

WORLD CONSUMPTION

ANNUAL PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 1988-90 AVERAGE

Region and country	Estimated live weight equivalent		Region and country	Estimated live weight equivalent	
	Kilograms	Pounds		Kilograms	Pounds
North America:			Europe - Continued:		
Canada	22.9	50.5	Greece	19.0	41.9
Greenland	80.3	177.0	Hungary	5.1	11.2
St. Pierre and Miquelon	68.1	150.1	Iceland	92.1	203.0
United States	21.3	47.0	Ireland	16.0	35.3
			Italy	20.4	45.0
Caribbean:			Malta	20.3	44.8
Antigua	63.6	140.2	Netherlands	9.2	20.3
Aruba	32.7	72.1	Norway	41.1	90.6
Bahamas	24.7	54.5	Poland	12.4	27.3
Barbados	29.6	65.3	Portugal	60.2	132.7
Bermuda	45.6	100.5	Romania	7.4	16.3
British Virgin Islands	86.1	189.8	Spain	37.7	83.1
Cayman Islands	32.4	71.4	Sweden	26.9	59.3
Cuba	19.1	42.1	Switzerland	13.0	28.7
Dominica	21.4	47.2	United Kingdom	19.9	43.9
Dominican Republic	8.4	18.5	Yugoslavia	4.2	9.3
Grenada	34.7	76.5	Former USSR	24.8	54.7
Guadeloupe	43.4	95.7			
Haiti	4.2	9.3	Near East:		
Jamaica	18.9	41.7	Afghanistan	0.1	0.2
Martinique	42.1	92.8	Bahrain	19.4	42.8
Montserrat	10.5	23.1	Cyprus	15.1	33.3
Netherland Antilles	26.3	58.0	Egypt	7.7	17.0
St. Christopher-Nevis	45.1	99.4	Iran	4.4	9.7
Saint Lucia	18.2	40.1	Iraq	1.0	2.2
St. Vincent	10.8	23.8	Israel	20.6	45.4
Trinidad-Tobago	10.6	23.4	Jordan	2.1	4.6
			Kuwait	8.9	19.6
Latin America:			Lebanon	0.7	1.5
Argentina	6.1	13.4	Libya	3.0	6.6
Belize	7.6	16.8	Oman	20.8	45.9
Bolivia	1.1	2.4	Qatar	12.4	27.3
Brazil	6.4	14.1	Saudi Arabia	6.7	14.8
Chile	23.4	51.6	Sudan	1.4	3.1
Colombia	2.8	6.2	Syria	0.5	1.1
Costa Rica	5.1	11.2	Turkey	6.3	13.9
Ecuador	9.2	20.3	United Arab Emirates	25.1	55.3
El Salvador	2.0	4.4	Yemen Republic	5.9	13.0
French Guiana	41.9	92.4			
Guatemala	0.6	1.3	Far East:		
Guyana	41.3	91.0	Bangladesh	7.6	16.8
Honduras	1.1	2.4	Brunei	28.9	63.7
Mexico	11.0	24.3	Burma	15.1	33.3
Nicaragua	0.6	1.3	Cambodia	10.2	22.5
Panama	15.4	34.0	China	9.4	20.7
Paraguay	2.8	6.2	Hong Kong	53.5	117.9
Peru	27.1	59.7	India	3.7	8.2
Suriname	6.9	15.2	Indonesia	14.8	32.6
Uruguay	4.0	8.8	Japan	71.9	158.5
Venezuela	14.0	30.9	Laos	6.9	15.2
			Macao	29.5	65.0
Europe:			Maldives	132.0	291.0
Albania	2.8	6.2	Malaysia	27.5	60.6
Austria	8.8	19.4	Mongolia	1.0	2.2
Belgium and Luxembourg	18.1	39.9	Nepal	0.7	1.5
Bulgaria	5.3	11.7	North Korea	44.2	97.4
Former Czechoslovakia	6.8	15.0	Pakistan	1.7	3.7
Denmark	21.1	46.5	Philippines	35.5	78.3
Faeroe Island	86.8	191.4	Singapore	29.4	64.8
Finland	30.6	67.5	South Korea	48.1	106.0
France	31.1	68.6	Sri Lanka	14.6	32.2
Germany	12.2	26.9	Taiwan	39.1	86.2
			Thailand	20.4	45.0
			Vietnam	13.5	29.8

See note at end of table.

(Continued)

ANNUAL PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 1988-90 AVERAGE - Continued

Region and country	Estimated live weight equivalent	
	Kilograms	Pounds
Africa:		
Algeria	4.2	9.3
Angola	22.4	49.4
Benin	9.8	21.6
Botswana	4.6	10.1
Burkina	1.9	4.2
Burundi	2.6	5.7
Cameroon	13.4	29.5
Cape Verde	16.9	37.3
Central African Republic	5.2	11.5
Chad	4.2	9.3
Comoros	13.9	30.6
Congo	36.1	79.6
Djibouti	2.8	6.2
Equatorial Guinea	19.1	42.1
Ethiopia	0.1	0.2
Gabon	31.4	69.2
Gambia	16.8	37.0
Ghana	26.4	58.2
Guinea	7.6	16.8
Guinea-Bissau	5.5	12.1
Ivory Coast	20.2	44.5
Kenya	6.3	13.9
Lesotho	1.5	3.3
Liberia	13.4	29.5
Madagascar	7.7	17.0
Malawi	9.5	20.9
Mali	7.4	16.3
Mauritania	10.1	22.3
Mauritius	19.4	42.8
Morocco	6.9	15.2
Mozambique	3.2	7.1
Namibia	12.5	27.6
Niger	0.7	1.5
Nigeria	8.9	19.6
Reunion	24.2	53.4
Rwanda	0.3	0.7
Sao Tome	32.2	71.0
Senegal	24.4	53.8
Seychelles	59.2	130.5
Sierra Leone	13.6	30.0
Somalia	1.6	3.5
South Africa	9.4	20.7
St. Helena	99.3	218.9
Swaziland	0.2	0.4
Tanzania	15.4	34.0
Togo	15.1	33.3
Tunisia	10.1	22.3
Uganda	12.9	28.4
Zaire	7.7	17.0
Zambia	8.0	17.6
Zimbabwe	2.6	5.7
Oceania:		
Australia	18.6	41.0
Fiji	44.7	98.5
French Polynesia	36.1	79.6
New Caledonia	22.3	49.2
New Zealand	27.5	60.6
Papua New Guinea	23.0	50.7
Solomon Islands	59.7	131.6
Tonga	24.4	53.8
Vanuatu	30.2	66.6
Western Samoa	40.3	88.8
World	*13.3*	*29.3*

Note:--Data for most countries are tentative. Aquatic plants are included where applicable.

Source:--Food and Agriculture Organization of the United Nations (FAO) Yearbook of Fishery Statistics, 1993, vol. 77, Rome.

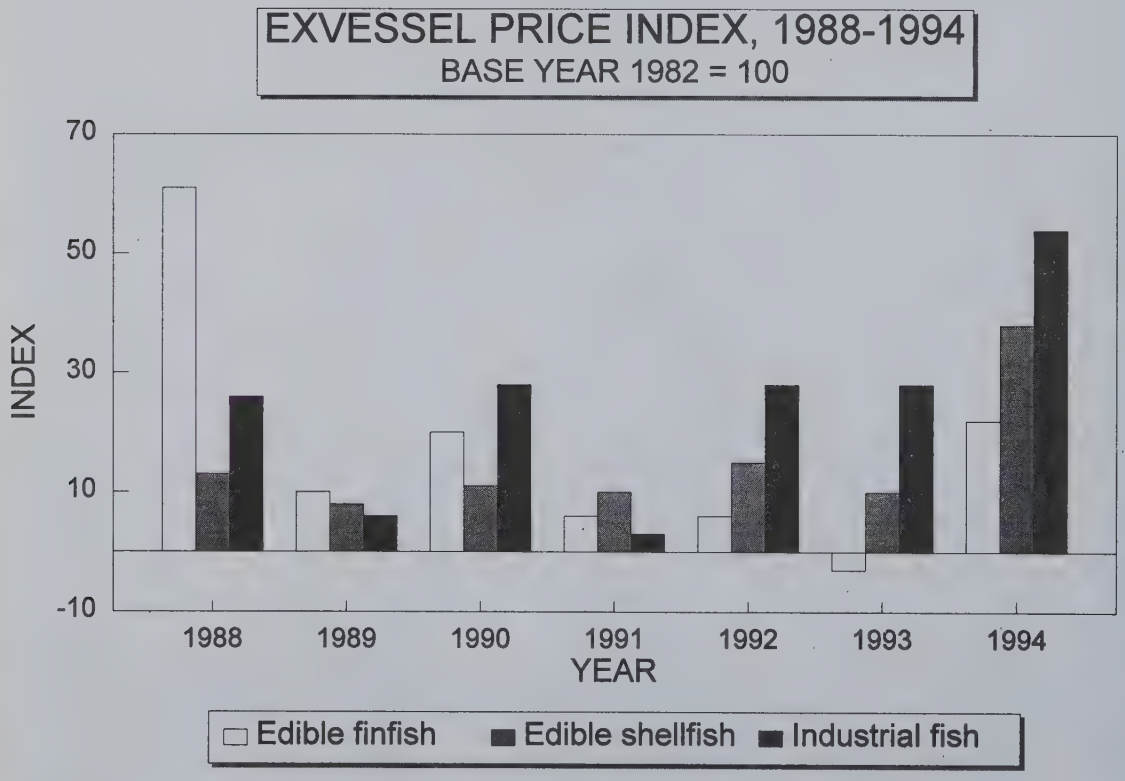
PRICES

The Exvessel Price table is an index of changes in the relative dockside value of fish and shellfish sold by fishing vessels. The table indexes the average annual exvessel value (price per pound) received for each species or group to the average price per pound received for the same species or group in the base year 1982.

The exvessel price for each year was obtained by dividing total value for each species or group by its total quantity as reported in the U. S. commercial landings tables on pages 1 and 2. The index for each species or group was obtained by multiplying the current anual price by the total quantity caught in 1882 (the base year). That number was then divided by the 1982 value to obtain the final index:

$$\frac{(100 \times \text{Current price} \times \text{1982 quantity})}{\text{1982 Annual Value}} = \text{Index}$$

Each index number measures price changes from the 1982 reference period when the index equaled 100. A species of fish that sold for $0.75 a pound in 1986 and a $1.00 a pound in 1982 would have an index of 75 in 1986. In 1994, if the price of the same species increased to $1.07, the index in 1994 would be 107.



INDEXES OF EXVESSEL PRICES FOR FISH AND SHELLFISH, BY YEARS, 1988-94
(1982=100)

Species	1988 (1)	1989 (1)	1990 (1)	1991 (1)	1992 (1)	1993	1994
Groundfish, et al:							
Cod	66	73	79	106	105	105	92
Haddock	220	239	220	227	219	277	287
Pollock:							
Atlantic	150	191	223	255	297	299	365
Alaska	121	134	151	149	194	194	212
Flounders	55	66	112	97	60	61	80
Total groundfish, et al.	***84***	***96***	***121***	***122***	***108***	***115***	***125***
Halibut	104	131	159	175	91	115	171
Sea herring	162	74	97	86	86	63	86
Salmon:							
Chinook	141	85	101	101	112	81	76
Chum	206	98	109	73	112	95	58
Pink	319	159	138	57	69	59	73
Sockeye	258	142	140	88	136	80	101
Coho	198	77	105	72	84	74	76
Total salmon	***232***	***120***	***125***	***82***	***113***	***78***	***85***
Swordfish	121	119	108	102	111	92	107
Tuna:							
Albacore	124	126	127	114	147	132	125
Bluefin	587	612	572	1,158	477	766	666
Skipjack	103	86	85	83	72	85	127
Yellowfin	114	101	112	116	96	112	205
Total tuna	***121***	***108***	***112***	***126***	***97***	***117***	***181***
Total edible finfish	***161***	***110***	***120***	***106***	***106***	***97***	***122***
Clams:							
Hard	164	145	127	142	135	113	105
Ocean quahog	103	103	111	124	124	128	129
Soft	150	159	213	192	222	233	248
Surf	88	88	86	84	83	88	118
Total clams	***134***	***127***	***127***	***132***	***133***	***126***	***133***
Crabs:							
Blue	153	155	152	131	183	201	260
Dungeness	122	118	162	159	124	95	145
King	135	135	145	99	139	127	146
Snow	89	92	83	53	60	78	144
Total crabs	***124***	***125***	***131***	***99***	***124***	***123***	***166***
American lobster	130	122	110	113	125	117	128
Oysters	175	198	228	219	225	183	249
Scallops:							
Bay	155	158	149	157	150	161	49
Calico	102	88	110	(2)	(2)	(2)	94
Sea	115	107	105	110	132	159	138
Total scallops	***116***	***109***	***109***	***135***	***118***	***141***	***126***
Shrimp:							
Gulf and South Atlantic	90	79	79	87	86	80	110
Other	102	92	113	130	113	128	142
Total shrimp	***91***	***80***	***81***	***89***	***88***	***82***	***111***
Total edible shellfish	***113***	***108***	***111***	***110***	***115***	***110***	***138***
Total edible fish and shellfish	***134***	***109***	***115***	***108***	***111***	***104***	***131***
Industrial fish, Menhaden	126	106	128	103	128	128	154
All fish and shellfish	***134***	***109***	***116***	***108***	***112***	***105***	***132***

(1) Revised.
(2) Confidential data.

SUMMARY OF 1994 VALUE ADDED, MARGINS, AND CONSUMER EXPENDITURES FOR COMMERCIAL MARINE FISHERY PRODUCTS IN THE UNITED STATES (1)

Sector or type of activity	Purchase of fishery inputs	Mark-up of fishery inputs	Total mark-up within sector	Value added as percent of total mark-up	Value added within sector	Value of sales by sector	Value added contribution	Offshore fleet & exported fishery products
	Thousand Dollars	Percentage of Fishery Inputs	Thousand Dollars	Percentage	Thousand Dollars	Thousand Dollars	Percentage of GNP Contribution	Thousand Dollars
Domestic Harvest:								
Edible.....	-	100.0	$3,718,034	62.8	$2,334,186	$3,718,034	11.6	
Industrial.....	-	100.0	$128,364	59.7	$76,591	$128,364	0.4	
Harvest not landed in U.S.....	-	100.0	$330,918	46.6	$154,229	$330,918	0.8	$330,918
Imports, Unprocessed..	$3,029,429	-	-	-	-	$3,029,429	-	
Exports, Unprocessed..	-	-	-	-	-	-	-	$1,140,019
Primary Wholesale and Processing.....	$5,735,808	78.3	$4,489,595	52.0	$2,333,876	$10,225,403	11.6	
Imports, Processed....	$3,802,583	-	-	-	-	$3,802,583	-	
Exports, Processed....	-	-	-	-	-	-	-	$1,975,063
Secondary Wholesale and Processing:								
Edible.....	$11,745,093	58.3	$6,852,157	29.1	$1,991,022	$18,597,250	9.9	
Industrial.....	$307,830	58.3	$179,590	29.1	$52,183	$487,420	0.3	
Retail Trade from Food Service.....	$9,349,068	182.7	$17,083,129	67.0	$11,437,212	$26,432,197	56.7	
Retail Trade from Stores.....	$9,248,182	35.3	$3,267,966	54.4	$1,777,293	$12,516,148	8.8	
TOTAL U.S. VALUE ADDED ACTIVITY:					$20,156,592		100.0	
CONSUMERS EXPENDITURES (& WHOLESALE PURCHASES OF INDUSTRIAL PRODUCTS) FOR FISHERY PRODUCTS:						*$39,435,765*		

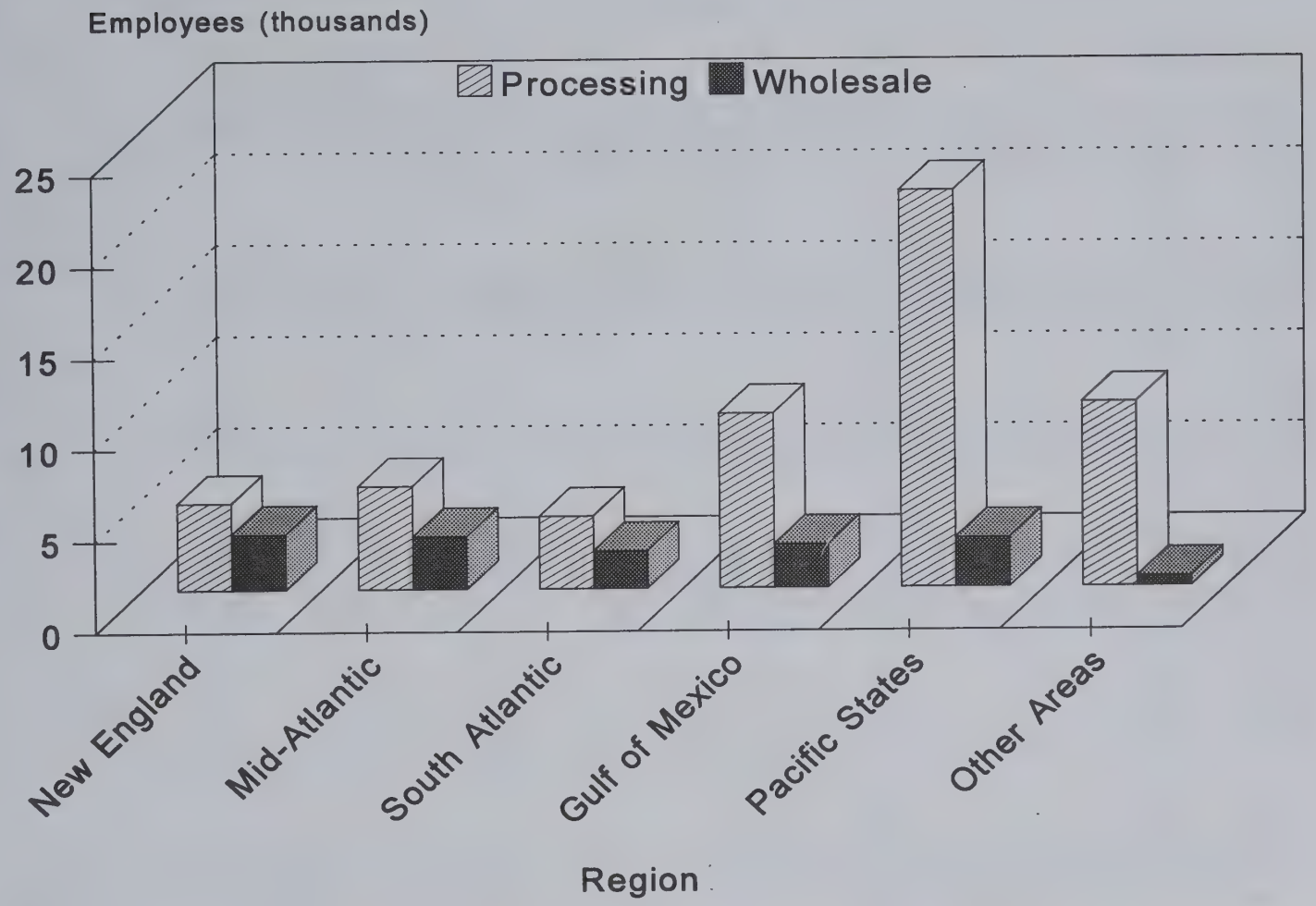
(1) Includes industrial products and landings by U.S.-flag vessels at U.S. ports, foreign ports, and transfers to internal water processing vessels.

Note.-- The table reports the contribution of commercial marine fishing to the national economy as measured by margin, value added, and sales. These measures are consistent with the Bureau of the Census definitions.

Margin or mark-up is the difference between the price paid for the product by the consumer or wholesale purchaser and the dockside or wholesale value for an equivalent weight of the product. (It is assumed that fishermen catch their fish without paying purchase price and therefore the entire dockside or exvessel price is considered margin.) Value added is a measure of the factors added to the total worth of a product at each stage of the production process. It is defined as the gross receipts of firms minus the cost of purchased goods and services needed to fabricate the product. Gross National Products (GNP) is equal to the sum of the value added of all economic entities in the economy. Value added within a sector represents that sector's contribution to GNP.

Value added includes wages, salaries, interest, depreciation, rent, taxes and profit. Consumer expenditures are the final retail value of seafood products sold through stores and food service outlets plus secondary wholesale and processing of industrial products.

EMPLOYMENT BY REGION, 1993



ESTIMATED NUMBER OF COMMERCIAL FISHING VESSELS (1) AND FISHING BOATS (2) BY REGION AND STATE, 1992 - 1993

REGIONS	1992 VESSELS	1992 BOATS	1992 TOTAL	1993 VESSELS	1993 BOATS	1993 TOTAL
Northeast Fisheries:						
Connecticut	128	442	570	128	472	600
Delaware	25	349	374	24	361	385
Maine	1,761	5,598	7,359	1,822	5,409	7,231
Maryland (3)	68	-	68	75	-	75
Massachusetts	858	4,634	5,492	832	4,529	5,361
New Hampshire	139	474	613	144	410	554
New Jersey	487	1,392	1,879	391	1,429	1,820
New York	692	2,931	3,623	692	2,970	3,662
Rhode Island	253	2,751	3,004	276	2,895	3,171
Virginia (3)	245	6	251	198	-	198
South Atlantic and Gulf Fisheries:						
North Carolina	908	5,520	6,428	930	5,775	6,705
South Carolina	374	969	1,343	383	970	1,353
Georgia	348	587	935	319	571	890
Florida	2,264	9,409	11,673	2,128	9,444	11,572
Alabama	409	694	1,103	411	676	1,087
Mississippi	885	1,003	1,888	531	976	1,507
Louisiana	2,824	8,917	11,741	3,364	9,272	12,636
Texas	2,501	2,592	5,093	2,553	2,759	5,312
West Coast Fisheries:						
Washington	2,609	2,607	5,216	2,428	1,499	3,927
Oregon	1,090	1,005	2,095	1,499	1,177	2,676
Alaska	7,225	9,051	16,276	7,260	8,999	16,259
California	3,460	3,110	6,570	5,136	NA	5,136
Hawaii	2,610	NA	2,610	2,680	NA	2,680
Great Lakes Fisheries: (4)						
Illinois	5	0	5	5	0	5
Indiana	10	0	10	16	0	16
Michigan	61	75	136	61	75	136
Minnesota	2	32	34	2	29	31
New York	4	13	17	4	15	19
Ohio	33	21	54	28	28	56
Pennsylvania	4	2	6	5	2	7
Wisconsin	94	16	110	95	19	114

(1) Vessels are documented craft greater than 5 net registered tons.
(2) Boats are craft less than 5 net registered tons.
(3) Only Federal collected data are available. Inshore data not available.
(4) Commercial fishing fleet sizes for the Great Lakes states represent only the number of licenses issued by the state; therefore, may not be an accurate total. Tribal data are not included in this table.
NA -- Data not available separately.

PROCESSORS AND WHOLESALERS: PLANTS, AND EMPLOYMENT, 1993

State and area	Processing			Wholesale			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year
	Number								
New England:									
Maine	63	1,501	1,381	278	1,012	875	341	2,513	2,256
New Hampshire	11	304	302	14	102	100	25	406	402
Massachusetts	111	2,473	2,464	279	1,573	1,557	390	4,046	4,021
Rhode Island	29	551	551	69	303	283	98	854	834
Connecticut	7	46	45	30	236	234	37	282	279
Total	*221*	*4,875*	*4,743*	*670*	*3,226*	*3,049*	*891*	*8,101*	*7,792*
Mid-Atlantic:									
New York	28	348	339	163	1,134	1,127	191	1,482	1,466
New Jersey	18	735	730	66	465	460	84	1,200	1,190
Pennsylvania	9	1,361	1,247	13	206	206	22	1,567	1,453
Delaware	(1)	(1)	(1)	9	428	428	9	428	428
District of Columbia	-	-	-	4	35	35	4	35	35
Maryland	45	1,502	1,367	46	449	395	91	1,951	1,762
Virginia	59	2,053	1,952	49	247	231	108	2,300	2,183
Total	*159*	*5,999*	*5,635*	*350*	*2,964*	*2,882*	*509*	*8,963*	*8,517*
South Atlantic:									
North Carolina	79	1,777	1,577	143	610	589	222	2,387	2,166
South Carolina	10	82	82	128	462	420	138	544	502
Georgia	14	1,196	1,197	37	107	105	51	1,303	1,302
Florida, East Coast	32	1,118	1,108	145	936	935	177	2,054	2,043
Total	*135*	*4,173*	*3,964*	*453*	*2,115*	*2,049*	*588*	*6,288*	*6,013*
Gulf:									
Florida, West Coast	115	1,797	1,762	174	774	771	289	2,571	2,533
Alabama	92	1,696	1,592	21	74	74	113	1,770	1,666
Mississippi	32	1,200	1,159	22	103	100	54	1,303	1,259
Louisiana	192	4,523	3,814	379	1,132	1,014	571	5,655	4,828
Texas	24	1,223	1,204	111	442	426	135	1,665	1,630
Total	*455*	*10,439*	*9,531*	*707*	*2,525*	*2,385*	*1,162*	*12,964*	*11,916*
Pacific:									
Alaska	191	15,000	10,564	130	214	214	321	15,214	10,778
Washington	130	5,128	4,054	132	466	443	262	5,594	4,497
Oregon	51	1,764	1,710	43	111	91	94	1,875	1,801
California	166	5,488	5,381	399	1,965	1,945	565	7,453	7,326
Total	*538*	*27,380*	*21,709*	*704*	*2,756*	*2,693*	*1,242*	*30,136*	*24,402*
Inland States (2), Total	*58*	*1,201*	*1,201*	*36*	*225*	*224*	*94*	*1,426*	*1,425*
Other Areas or States: (3), Total.	*31*	*8,891*	*8,889*	*50*	*315*	*315*	*81*	*9,206*	*9,204*
Grand Total	*1,597*	*62,958*	*55,672*	*2,970*	*14,126*	*13,597*	*4,567*	*77,084*	*69,269*

(1) Included with wholesale. (2) Data covers, Arizona, Colorado, Idaho, Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Montana, Nevada, Ohio, Oklahoma, South Dakota, Tennessee, West Virginia, Wisconsin, and a partial survey conducted for other States.
(3) Include American Samoa, Hawaii, and Puerto Rico.

FISHERY PRODUCTS INSPECTION

FISHERY PRODUCTS AND ESTABLISHMENTS INSPECTED IN CALENDAR YEAR, 1994

Region	Edible fishery products						
	Establishments (1)		Amount inspected				
	SIFE (2)	PUFI (3)	Grade A (4)	PUFI (4)	No mark (5)	Lot (6)	Total
	-Average number-		----------Thousand pounds----------				
Northeast.....	1	68	33,289	174,042	21,555	161,188	390,074
Southeast.....	0	122	21,232	90,288	59,118	124,102	294,741
West.....	11	87	24,401	59,253	29,882	163,444	276,982
Total, 1994.....	*11*	*277*	*78,922*	*323,584*	*110,556*	*448,734*	*961,796*
Total, 1993.....	*8*	*243*	*91,168*	*329,052*	*57,978*	*509,137*	*987,335*

(1) These establishments are inspected under contract and certified as meeting U.S. Department of Commerce (USDC) regulations for construction and maintenance of facilities and equipment, processing techniques, and employment practices.

(2) Fish processing establishments approved for sanitation under the Sanitary Inspected Fish Establishment service (SIFE). Products are not processed under inspection.

(3) Sanitarily inspected fish establishments processing fishery products under USDC inspection.

(4) Products processed under USDC inspection in inspected establishments and labeled with USDC inspection mark as "Packed Under Federal Inspection" (PUFI) and/or "U.S. Grade A."

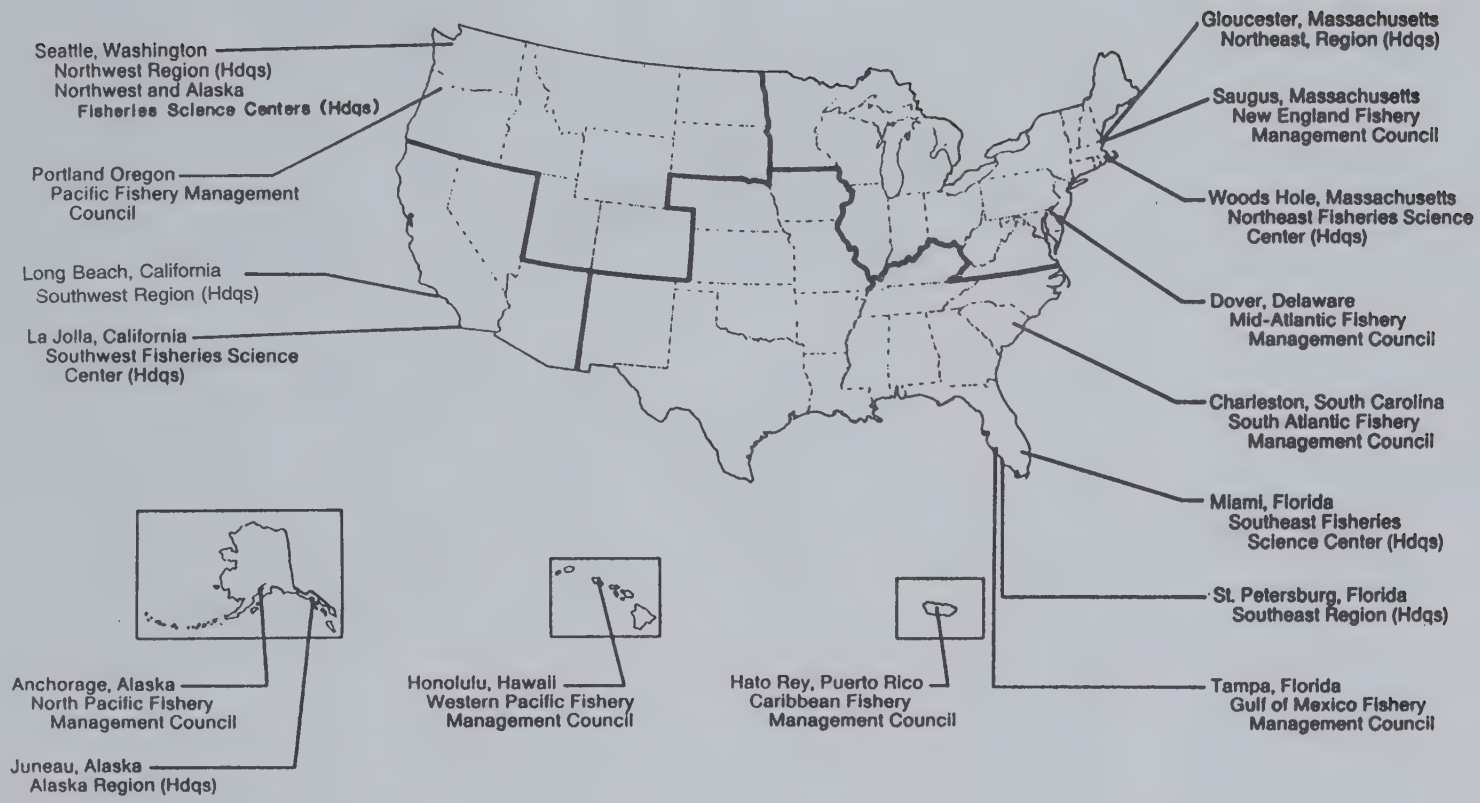
(5) Products processed under inspection in inspected establishments but bearing no USDC inspection mark.

(6) Lot inspected and marked products checked for quality and condition at the time of examination and located in processing plants, warehouses, cold storage facilities, or terminal markets anywhere in the United States.

Note:--Table may not add due to rounding.

Source:--NMFS, Office of Trade and Industry Services, F/TS4.

NMFS Regional Offices
NMFS Fisheries Science Centers
Regional Fishery Management Councils
HDQS Locations



THE MAGNUSON FISHERY CONSERVATION AND MANAGEMENT ACT

The Magnuson Fishery Conservation and Management Act, Public Law 94-265 as amended (Magnuson Act), provides for the conservation and management of all fishery resources within the U.S. Exclusive Economic Zone (EEZ). It also provides for fishery management authority over continental shelf resources and anadromous species beyond the EEZ, except when they are found within a foreign nation's territorial sea or fishery conservation zone (or equivalent), to the extent that such sea or zone is recognized by the United States.

The EEZ extends from the seaward boundary of each of the coastal States (generally 3 nautical miles from shore for all but two States) to 200 nautical miles from shore. The seaward boundaries of Texas, Puerto Rico, and the Gulf coast of Florida are 3 marine leagues (9 nautical miles).

GOVERNING INTERNATIONAL FISHERY AGREEMENTS

Under the Magnuson Act, the Secretary of State, in cooperation with the Secretary of Commerce negotiates Governing International Fishery Agreements (GIFAs) with foreign nations wishing to fish within the EEZ. After a GIFA is signed, it is transmitted by the President to the Congress for ratification.

FOREIGN FISHING PERMITS

Title II of the Magnuson Act governs foreign fishing in the exclusive economic zone. The process applied to foreign fishing has been described in prior issues of this publication. As U.S. fishing capacity grew, foreign participation in directed fisheries, as well as in foreign joint ventures in which U.S. vessels delivered U.S. harvested fish to permitted foreign vessels, in the EEZ diminished until, in 1991, foreign vessels no longer were permitted to conduct any harvesting or processing operations in the EEZ. This marked the achievement of one of the objectives of the Magnuson Act, that is, the development of the U.S. industry to take, what were in 1976, the underutilized species and the displacement of the foreign fishing effort in the EEZ in 1991.

As a result of the above, there has been no total allowable level of foreign fishing since 1991 and, although 55,000 mt of Atlantic mackerel still were available for joint venture fishing in 1994, no foreign nations submitted fishing applications for permits to conduct such operations. NMFS continues to maintain all regulations pertaining to foreign fishing, such as the foreign fishing fee schedule, should there be a situation in the future in which allowing limited foreign fishing in an underutilized fishery would be of advantage to the U.S. fishing industry.

FMPs and PMPs

Under the Magnuson Act, eight Regional Fishery Management Councils are charged with preparing Fishery Management Plans (FMPs) for the fisheries needing management within their areas of authority. After the Councils develop FMPs which cover domestic and foreign fishing efforts, the FMPs are submitted to the Secretary of Commerce (Secretary) for approval and implementation. The Department, through NMFS agents and the U.S. Coast Guard, is responsible for enforcing the law and regulations.

The Secretary of Commerce is empowered to prepare plans in the Atlantic and Gulf of Mexico for highly migratory species. Where no FMP exists, Preliminary Fishery Management Plans (PMPs), which only cover foreign fishing efforts, are prepared by the Secretary for each fishery for which a foreign nation requests a permit. The Secretary is also empowered to produce an FMP for any fishery that a Council has not duly produced. In this latter case, the Secretary's FMP covers domestic and foreign fishing.

As of December 31, 1994, five Preliminary Fishery Management Plans (PMPs) were in effect, many of which have been amended since first being implemented.

Foreign Trawl Fisheries of the Northwest Atlantic
Hake Fisheries of the Northwestern Atlantic
Bering Sea Herring
Bering Sea Snails

The Atlantic swordfish and Atlantic billfish fisheries are currently being managed by the Secretary under the Magnuson Act and the Western Atlantic bluefin tuna fishery is managed under the Atlantic Tunas Convention Act.

FISHERY MANAGEMENT PLANS (FMPs)

Under section 304 of the Magnuson Act, all Council-prepared FMPs must be reviewed for approval by the Secretary. After FMPs have been approved

under section 304 of the Magnuson Act, they are implemented by federal regulations, under section 305 of the Act. As of December 31, 1994, there are 34 fishery management plans in place. The FMPs are listed below. Many FMPs are amended by the Council and submitted for approval under the same Secretarial review process as new FMPs. Most of the FMPs listed have been amended since initial implementation. Those marked with a double asterisk (**) were amended in 1994.

Northeast Multispecies
American Lobster (**)
Atlantic Billfishes
Atlantic Bluefish
South Atlantic Red Drum
Atlantic Mackerel, Squid, and Butterfish
Atlantic Salmon
Atlantic Sea Scallops
Atlantic Sharks
Atlantic Surf Clams and Ocean Quahogs
Summer Flounder (**)
Swordfish
Gulf and South Atlantic Spiny Lobster
Caribbean Shallow Water Reef Fish
Gulf and South Atlantic Corals (**)
Gulf of Mexico Reef Fish (**)
Gulf of Mexico Shrimp
Gulf of Mexico Stone Crab
Gulf of Mexico Red Drum
Coastal Migratory Pelagics (**)
Caribbean Spiny Lobster
South Atlantic Snapper/Grouper (**)
South Atlantic Shrimp
Northern Anchovy
King and Tanner Crab
Commercial and Recreational Salmon (**)
High Seas Salmon
Pacific Coast Groundfish
Gulf of Alaska Groundfish (**)
Bering Sea and Aleutian Islands Groundfish (**)
Western Pacific Crustaceans (**)
Western Pacific Precious Corals
Western Pacific Bottomfish and Seamount Groundfish
Western Pacific Pelagics (**)

During 1994, 472 regulatory actions were processed via the Federal Register to implement FMP fishery management actions and rules for domestic fishing. This number includes hearings, meetings, and correction notices.

THE MAGNUSON FISHERY CONSERVATION AND MANAGEMENT ACT

REGIONAL FISHERY MANAGEMENT COUNCILS

Council	States	Telephone Number	Executive Director
NEW ENGLAND	(Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut)	617-231-0422	Douglas G. Marshall Suntaug Office Park 5 Broadway (Rt. 1) Saugus, MA 01906
MID-ATLANTIC	(New York, New Jersey, Delaware, Pennsylvania, Maryland, and Virginia)	302-674-2331	David R. Keifer Federal Bldg., Rm. 2115 300 S. New St. Dover, DE 19901
SOUTH ATLANTIC	(North Carolina, South Carolina, Georgia, and Florida)	803-571-4366	Robert K. Mahood Southpark Building Suite 306 1 Southpark Circle Charleston, SC 29407
GULF OF MEXICO	(Texas, Louisiana, Mississippi, Alabama, and Florida)	813-228-2815	Wayne E. Swingle Lincoln Center, Suite 881 5401 W. Kennedy Blvd. Tampa, FL 33609
CARIBBEAN	(Virgin Islands and the Commonwealth of Puerto Rico)	809-766-5926	Miguel A. Rolon 268 Ave. Munoz Rivera Suite 1108 San Juan, PR 00918
PACIFIC	(California, Washington, Oregon, and Idaho)	503-326-6352	Lawrence D. Six 2130 S.W. 5th Ave. Suite 224 Portland, OR 97201
NORTH PACIFIC	(Alaska, Washington, and Oregon)	907-271-2809	Clarence G. Pautzke 605 W.4th Ave., Rm. 306 P.O. Box 103136 Anchorage, AK 99510
WESTERN PACIFIC	(Hawaii, American Samoa, Guam, and the Northern Marianas Islands)	808-522-8220	Kitty M. Simonds 1164 Bishop St., Rm.1405 Honolulu, HI 96813

OPTIMUM YIELD, DOMESTIC ANNUAL HARVEST, RESERVE, TALFF, AND FOREIGN FISHING ALLOCATIONS: NORTH ATLANTIC, BY SPECIES AND COUNTRY, 1994 (1)

Item	Loligo squid (2)	Illex squid (2)	Atlantic mackerel (3)	Butter-fish (2)
	Metric tons, round weight			
Max Optimum yield (OY)	44,000	30,000	N/A	16,000
ABC	44,000	30,000	850,000	16,000
Initial Optimum yield	44,000	30,000	120,000	10,000
DAH	44,000	30,000	120,000	10,000
DAP	44,000	30,000	50,000	10,000
JVP	0	0	55,000	0
Reserve	N/A	N/A	N/A	N/A
TALFF	0	0	0	0

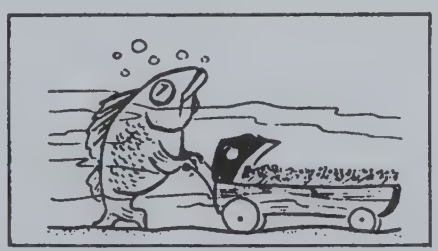
(1) OY=Optimum Yield; ABC=Allowable Biological Catch; DAH=Domestic Annual Harvest; and TALFF=Total Allowable Level of Foreign Fishing; Initial Optimum Yield = DAH & TALFF or max optimum yield.

(2) These are the maximum OYs as stated in the FMP; TALFF is for by catch purposes.

(3) DAH includes 14,000 metric tons for recreational catch.

N/A:--Not Applicable.

Source:--NMFS, Office of Conservation and Management, F/CM and Office of Trade and Industry Service, F/TS2.



GENERAL ADMINISTRATIVE INFORMATION

UNITED STATES DEPARTMENT OF COMMERCE

14th and E Streets, NW
Washington, D.C. 20230

Mail routing code		*Telephone number*
--	***Secretary of Commerce*** Ronald H. Brown	202-482-2112
A	***Under Secretary for Oceans and Atmoshpere*** D. James Baker	202-482-3436

NATIONAL MARINE FISHERIES SERVICE

1315 East-West Highway
(Silver Spring Metro Center #3)
Silver Spring, MD 20910-3226

F	***Assistant Administrator for Fisheries*** Rolland A. Schmitten	301-713-2239
Fx1	Deputy Assistant Administrator for Fisheries -- Nancy Foster	301-713-2239
Fx2	Program Management Officer -- Gary Matlock	301-713-2239
Fx3	Senior Scientist for Fisheries -- Michael P. Sissenwine	301-713-2239
F/MS	**Management Services Office --** James H. Czerwonky	301-713-2245
F/BP	**Budget and Planning Office --** John E. Oliver, Jr.	301-713-2250
F/PC	**Policy and Coordination Office --** Nikki Bane	301-713-2253
F/CM	**Office of Fisheries Conservation and Management --** Richard H. Schaefer	301-713-2334
F/CM1	Operations Support and Analysis Division	301-713-2339
F/CM2	Plans and Regulations Division	301-713-2343
F/CM3	Recreational and Interjurisdictional Fisheries Division	301-713-2347
F/CM4	Highly Migratory Species Management Division	301-713-2347
F/EN	**Office of Enforcement --** Gary Gailbreath, Acting	301-427-2300
F/EN1	Headquarters Operations Division	301-427-2300
F/HP	**Office of Habitat Protection --** Charles Karnella, Acting	301-713-2325
F/HP1	Habitat Policy and Management Division	301-713-2325
F/HP2	Conservation Science Division	301-713-2325
F/HP3	Chesapeake Bay Program Office	410-267-5661
F/HP4	Anadromous Fish Habitat Division	301-713-2325
F/IS	**Office of Industry Services --** Samuel W. McKeen	301-713-2351
F/IS1	Financial Services Division	301-713-2390
F/IS2	Trade Services Division	301-713-2379
F/IS3	Utilization Research and Services Division	301-713-2358
F/IS4	Inspection Service Division	301-713-2355

(Continued)

GENERAL ADMINISTRATIVE INFORMATION

NATIONAL MARINE FISHERIES SERVICE
Silver Spring, MD 20910-3226

Mail routing code		Telephone number
F/IA	**Office of International Affairs --** Henry R. Beasley	301-713-2272
F/IA1	Organizations and Agreements Division	301-713-2276
F/IA2	International Science, Development and Polar Affairs Division	301-713-2288
F/PR	**Office of Protected Resources --** William W. Fox, Jr.	301-713-2332
F/PR1	Permits and Documentation Division	301-713-2289
F/PR2	Marine Mammal Division	301-713-2322
F/PR5	Habitat Research and Restoration Division	301-713-0174
F/PR8	Endangered Species Division	301-713-1401
F/RE	**Office of Research and Environmental Information --** John Everett, Acting	301-713-2367
F/RE1	Fisheries Statistics Division	301-713-2328
F/RE2	Data Management Division	301-713-2372
F/RE3	Prediction, Analysis and Monitoring Division	301-713-2363
LA11	**Office of Congressional Affairs - Fisheries --** Alan Risenhoover	301-713-2263
PAF	**Office of Public Affairs - Fisheries --** Jean Fitch / Gorden Helm / Scott Smullen	301-713-2370
GCF	**Office of General Counsel - Fisheries --** Margaret Hayes	301-713-2231

REFERRAL DIRECTORY - SILVER SPRING, MD OFFICE

FOREIGN FEES AND PERMITS--301-713-2339

Joint Ventures
Regulations:
  Foreign Fishing
  U.S. Nationals Fishing in Russian EZ

FINANCIAL SERVICES--301-713-2390

Compensation for loss of gear
Construction, vessels (Tax Deferral Program)
Insurance - vessel seizure by foreign governments
Loans and loan guarantees

FISHERY MANAGEMENT OPERATIONS--301-713-2343

Artifical reefs
Fishery management plans
Fisheries regulations
State grants

INDUSTRY SERVICES--301-713-2351

Consumer education and marketing
Exports/Imports licenses
Saltonstall-Kennedy (S-K) grants
Tariffs

INTERNATIONAL FISHERIES--301-713-2272

Allocation (foreign fishing catches)
Foreign fisheries (general)
Trade issues

LAW ENFORCEMENT AND FINES--301-427-2300

PROTECTED SPECIES--301-713-2332

Lacey Act (general information)
Marine Mammal Protection Act (general)
Permits and regulations

RESOURCES INVESTIGATIONS--301-713-2367

Acid rain and pollution
Aquaculture information
Diseases of fish
Ecology and fish recruitment
Fishing methods
Resource abundance

STATISTICAL DATA SERVICES--301-713-2328

Commercial fisheries - landings and value
Imports and exports
Market news reports (general information)
Operating units (fishermen and vessels)
Processed fishery products
Recreational fisheries

UTILIZATION RESEARCH--301-713-2358

Botulism and ciguatera poisoning
Nutrition and quality of fishery products
Safety and product standards
Seafood inspection and identity

NATIONAL MARINE FISHERIES SERVICE

REGIONAL FACILITIES

MAIL ROUTING CODE		TELEPHONE NUMBER	LOCATION
F/NER	**Northeast Region One Blackburn Drive Gloucester, MA 01930**	**508-281-9300**	**Gloucester, MA**
F/NEC3	Northeast Fisheries Science Center 166 Water St. Woods Hole, MA 02543	508-548-5123	Woods Hole, MA
	Woods Hole Laboratory 166 Water St. Woods Hole, MA 02543	508-548-5123	Woods Hole, MA
	Narragansett Laboratory 28 Tarzell Drive Narragansett, RI 02882	401-782-3200	Narragansett, RI
	Milford Laboratory Milford, CT 06460	203-878-2459	Milford, CT
	Sandy Hook Laboratory Building 74, McGruder Highlands, NJ 07732	908-872-3000	Highlands, NJ
	Oxford Laboratory 609 S. Morris St. Oxford, MD 21654	410-226-5193	Oxford, MD
	Gloucester Laboratory Emerson Ave. Gloucester, MA 01930	508-281-9278	Gloucester, MA
F/NESC3	National Systematics Laboratory, MRC153 10th & Constitution Ave., NW Washington, DC 20560	202-357-2550	Washington, DC
F/SER	**Southeast Region 9721 Executive Center Drive, N. St. Petersburg, FL 33702**	**813-570-5301**	**St. Petersburg, FL**
F/SEFSC	Southeast Fisheries Science Center, 75 Virginia Beach Dr. Miami, FL 33149	305-361-4284	Miami, FL
F/SEC4	Miami Laboratory 75 Virginia Beach Dr. Miami, FL 33149	305-361-4225	Miami, FL
F/SEC5	Mississippi Laboratories 3209 Frederick St., P.O. Drawer 1207 Pascagula, MS 39567	601-762-4591	Pascagoula, MS
F/SEC6	Panama City Laboratory 3500 Delwood Beach Rd. Panama City, FL 32408	904-234-6541	Panama City, FL
F/SEC7	Galveston Laboratory 4700 Avenue U Galveston, TX 77551	409-766-3500	Galveston, TX

(Continued)

NATIONAL MARINE FISHERIES SERVICE
REGIONAL FACILITIES

MAIL ROUTING CODE		TELEPHONE NUMBER	LOCATION
F/SEC8	Charleston Laboratory 217 Fort Johnson Rd. Charleston, SC 29412	803-762-8500	Charleston, SC
F/SEC9	Beaufort Laboratory 101 Pivers Island Beaufort, NC 28516	919-728-3595	Beaufort, NC
F/NWR	**Northwest Region** **7600 Sand Point Way, N.E.** **BIN C15700, Bldg. 1** **Seattle, WA 98115**	**206-526-6150**	**Seattle, WA**
F/NWC	Northwest Fisheries Science Center 2725 Montlake Boulevard, East Seattle, WA 98112	206-860-3200	Seattle, WA
F/SW	**Southwest Region** **501 West Ocean Blvd., Suite 4200** **Long Beach, CA 90802**	**310-980-4000**	**Long Beach, CA**
F/SWFSC	Southwest Fisheries Science Center 8604 La Jolla Shores Dr. P.O. Box 271 La Jolla, CA 92038	619-546-7000	La Jolla, CA
F/SWC2	Honolulu Laboratory 2570 Dole St., P.O. Box 3830 Honolulu, HI 96812	808-943-1221	Honolulu, HI
F/SWC3	Tiburon Laboratory 3150 Paradise Dr. Tiburon, CA 94920	415-435-3149	Tiburon, CA
F/SWC4	Pacific Fisheries Environmental Group P.O. Box 831 Monterey, CA 93942	408-656-3311	Monterey, CA
F/AKR	**Alaska Region** **709 West 9th Street, Room 453** **P.O. Box 21668** **Juneau, AK 99802**	**907-586-7221**	**Juneau, AK**
F/AKC	Alaska Fisheries Science Center, 7600 Sand Point Way, N.E., Bldg. 4 BIN C15700 Seattle, WA 98115	206-526-4000	Seattle, WA
	Kodiak Investigations P.O. Box 1638 Kodiak, AK 99615	907-487-4961	Kodiak, AK
F/AKC4	Auke Bay Laboratory 11305 Glacier Highway Auke Bay, AK 99801	907-789-6000	Auke Bay, AK

GENERAL ADMINISTRATIVE INFORMATION

NATIONAL MARINE FISHERIES SERVICE

NATIONAL FISHERY STATISTICS OFFICES

City	Telephone number	Name and address
		NORTHEAST REGION
NEW ENGLAND		
Portland	207-780-3322	Robert C. Morrill or Scott McNamara, Marine Trade Center, Suite 212, Two Portland Fish Pier Portland, ME 04101
Rockland	207-594-5969	Peter S. Marckoon, Federal Bldg., 21 Limerock St., Rm. 207, P.O. Box 708, Rockland, ME 04841
Boston	617-223-8015	Paul Sheahan, 408 Atlantic Ave., Rm. 141 Boston, MA 02210
Gloucester	508-281-9304	Kelly McGrath or Don Mason, Rm. 107, 1 Blackburn Dr. Gloucester, MA 01930
New Bedford	508-999-2452	Dennis E. Main, U.S. Custom House, 37 N Second St., New Bedford, MA 02740
Chatham	508-945-5961	Lorraine Spenle, 29C Stage Harbor Road Chatham, MA 02633
(1)Woods Hole	**508-548-5123 FAX:548-5124**	**John Mahoney, Northeast Fisheries Science Center, 166 Water St., Woods Hole, MA 02543**
Newport	401-847-3115	Margaret Toner, Post Office Bldg., Thames St., Newport, RI 02840
Pt. Judith	401-783-7797	Walter Anoushian, 310 Great Island Rd., Rm. 203, P.O. Box 547, Narragansett, RI 02882
MIDDLE ATLANTIC		
New York	212-620-3405	Leo Gaudin, Economics Data Office, Room 731 201 Varick Street, New York, NY 10014
East Hampton	516-324-3569	Erik Braun, 62 Newtown Lane, Suite 203, East Hampton, NY 11937
Patchogue	516-475-6988	Vacant, 50 Maple Ave., Social Security Bldg., P.O. Box 606, Patchoque, L.I., NY 11772
Toms River	908-349-3533	Eugene Steady, 26 Main St., P.O. Box 143, Toms River, NJ 08754
Cape May	609-884-2113	Walt Makowski, 1382 Lafayette St., P.O. Box 624, Cape May, NJ 08204
CHESAPEAKE		
Greenbackville	804-824-4725	Vacant, Biological Lab., Franklin City, Greenbackville, VA 23356
Hampton	804-723-3369	David Ulmer, 1026 Settlers Landing Rd., Suite F, P.O. Box 436, Hampton, VA 23669
		SOUTHEAST REGION
SOUTH ATLANTIC		
(1)Beaufort	**919-728-4168 FAX:728-8772**	**Kenneth C. Harris, Beaufort Laboratory, 101 Piver Island Road, Beaufort, NC 28516**
Manteo	919-473-5929	Glenwood P. Montgomery, Marine Resource Center, P.O. Box 967, Manteo, NC 27954
New Smyrna Beach	904-427-6562	Claudia Dennis, Coast Guard Station/Ponce P.O. Box 2025, New Smynra Beach, FL 32170
Tequesta	407-575-4461	Howard C. Schaefer, 19100 S.E. Federal Highway Tequesta, FL 33469
(1)Miami	**305-361-4468 FAX:361-4460**	**Guy S. Davenport, 75 Virginia Beach Dr., Miami, FL 33149**

NATIONAL MARINE FISHERIES SERVICE

NATIONAL FISHERY STATISTICS OFFICES

City	Telephone number	Name and address
GULF		
Key West	305-294-1921	Edward J. Little, Jr., Post Office & Custom House Bldg., P.O. Box 269, Key West, FL 33040
Fort Myers	813-334-4364	Tom Herbert, 2000 Main St., Suite 409 Fort Myers, FL 33901
St. Petersburg	813-570-5393	Guy Pizutti, 9721 Executive Center Drive, St. Petersburg, FL 33702
Panama City	904-234-6541	Deborah Fable, 3500 Delwood Beach Rd., Panama City, FL 32407
Bayou La Batre	205-824-4149	Horace M. Flowers, D&H Furniture Bldg., Second Floor 93 S. Wintzell Ave., P.O. Box 591, Bayou La Batre, AL 36509
Pascagoula	601-762-7402	Rene J. Labadens, Jr., 3209 Frederic St., Pascagoula Lab., P.O. Box Drawer 1207, Pascagoula, MS 39567
Cameron	318-542-4758	Karen Kemp, So. Cameron Medical Center, Rt. 1, Box 20-F, Creole, LA 70632
Golden Meadow	504-475-7072	Gary J. Rousse, 1614 So. Bayou Dr., Rm. 211, P.O. Box 623, Golden Meadow, LA 70357
Houma	504-872-3321	Kathleen M. Hebert, Post Office Bldg., 425 Lafayette St., Rm. 128, Houma, LA 70360
New Iberia	318-365-1558	Linda F. Picou, 705-A West Admiral Doyle Dr. New Iberia, LA 70560
New Orleans	504-589-6153	Maggie Bourgeois or Jan Simpson, One Cannal Place, Suite 2340, 365 Canal Street, New Orleans, LA 70130
Rockport	512-729-0189	Thomas N. Scott, Roy W. Spears, Pine Tree Office Bldg., Suite 110, P.O. Box 2259, Rockport, TX 78382
Brownsville/ Port Isabel	210-548-2516	Kit Doncaster or Edie Lopez, HC 70 Box 15, Brownville, TX 78521
Freeport	409-233-4551	Thomas R. Mauermann, Texas Gulf Bank, Suite 213 P.O. Box 2533, Freeport, TX 77541
(1) Galveston	409-766-3705 FAX:766-3543	**Margot Hightower or W. Keith Roberts 4700 Avenue U, Bldg. 308, Galveston, TX 77551**
Port Arthur	409-727-2271	Linda S. Trahan, Federal Bldg., Rm. 113, 2875 Jimmy Johnson Blvd., Port Arthur, TX 77640
		SOUTHWEST REGION
(1) Long Beach, CA or Honolulu, HI	310-980-4033 FAX:980-4047	Patricia J. Donley, 501 West Ocean Boulevard, P.O. Box 32469, Long Beach, CA 90832
		NORTHWEST REGION
(1) Seattle	206-526-6128 FAX:526-4461	John K. Bishop, 7600 Sand Point Way, N.E., Bldg., 1, BIN C15700, Seattle, WA 98115
		ALASKA REGION
(1) Juneau	907-586-7221	Patsy Bearden, Federal Building, 4th Floor, 709 West 9th Street, P.O. Box 21668 Juneau, AK 99802

(1) Regional or area headquarters for statistics offices.

PUBLICATIONS

LIBRARY INFORMATION

The NOAA Library and Information Network Catalog (NOAALINC) is a CD-ROM microcomputer-based library catalog of more than one million books, technical reports, serials and microforms. The collection strengths include aquatic science, marine ecology, microbiology, oceanography, meteorology, climatology, chemistry, geology, remote sensing, hazardous wastes, pesticides, toxicology, pollution, and law.

NOAALINC implements a keyword searching strategy to locate information by author, title, subject, and call number. Records can be displayed using several display formats; brief, labeled, and full. Each bibliographic record indicates which library holds the item. NOAA personnel may borrow items by contacting the nearest NOAA Library or the NOAA Central Library at (301) 713-2600 or NOAA LIBRARY (OMNET). The general public should contact their local library.

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The NOAALINC workstations are also available to individuals who come into NOAA libraries and information centers.

Other library information is available from NOAA's Library, 1315 East-West Hwy., 2nd Floor, Silver Spring, MD 20910-3282. Telephone: 301-713-2600

PUBLICATIONS AVAILABLE FROM U.S. GOVERNMENT PRINTING OFFICE

STATISTICAL REPORTS

003-020-00164-5 Fisheries of the United States, 1993 . . .$9.00

003-020-00166-1 Fisheries of the United States, 1994 . . . (Not available)

MISCELLANEOUS REPORTS

003-009-00618-0 United States Industrial Outlook 1993: Business Forecases for 350 Industries . . .$37.00

S/N 703-023-00000-2 Fishery Bulletin (Quarterly): Publishes Original Research Papers, etc. ...Domestic: $13.00 copy ...Foreign: $16.25 copy

MARINE LIFE POSTERS

(printed on washable non-glare plasticized paper)

003-020-00055-0 Marine Fishes of the California Current and adjacent waters . . .$5.50

003-020-00069-0 Fishes of the Great Lakes . . .$8.00

For information or to purchase publications listed above (Advance Payment Required), call or write:

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20202
PHONE: 202-512-1800 / FAX: 512-2250

PUBLICATIONS AVAILABLE FROM NATIONAL MARINE FISHERIES SERVICE AND NATIONAL TECHNICAL INFORMATION SERVICE (NTIS) U.S. DEPARTMENT OF COMMERCE

SCIENTIFIC PUBLICATIONS:

Information on formal scientific publications by NMFS (such as NMFS journals and technical publications) may be obtained from the Scientific Publications Office (F/NWR1), 7600 Sand Point Way, N.E., BIN C-15700, Seattle, WA 98115.

Telephone: 206-526-6107

CURRENT FISHERY STATISTICS (CFS) SERIES:

The reports listed below are in the Current Fisheries Statistics (CFS) series. They are statistical bulletins on marine recreational fishing, commercial fishing, and on the manufacture and commerce of fishery products. For further information or to obtain a subscription to these publications, contact the office shown below:

NOAA, National Marine Fisheries Service
Fisheries Statistics Division (F/RE1)
1335 East-West Highway
Silver Spring, MD 20910--3226
Telephone: 301-713-2328

The bulletins shown below cover freezings and holdings, the production of various processed products, and the U.S. foreign trade in fishery products. If you wish a copy of the following publications, check the designated space ( ) and return to the Office indicated above. The following are available annually:

( ) FF - Frozen Fishery Products
( ) MF - Processed Fishery Products

The following publication is only available quarterly.

( ) Fish Meal and Oil

OTHER PUBLICATIONS:

All publications listed below may be obtained from NTIS (address and phone number listed on **page 100**) or the originating office (code follows in parentheses). Copies are available only as long as supply lasts.

( ) Endangered Species Act, Biennial Report, Status of Recovery Program, FY 1989-1991. (F/PR)

( ) Fishery Management Plan for Sharks of the Atlantic Ocean. (F/CM)

( ) Habitat Protection Activity Report. 1991 - 1993. (F/HP)

( ) Magnuson Fishery Conservation and Management Act, As Amended through November 28, 1990. (F/CM)

( ) Marine Mammal Protection Act, Annual Report. 1988-1989. (F/PR)

( ) Marine Mammal Protection Act, Annual Report. 1990-1991. (F/PR)

( ) Our Living Oceans - The First Annual Report on the Status of U.S. Living Marine Resources. (F/RE)

( ) Our Living Oceans - Report on The Status of U.S. Living Marine Resources, 1992 Data. (F/RE)

( ) Our Living Oceans - Report on The Status of U.S. Living Marine Resources, 1993 Data. (F/RE)

( ) Report on Apportionments of Membership on the Regional Fishery Management Council (RFMCs) in 1994. (F/CM)

( ) Strategic Plan of the National Marine Fisheries Service. (F)

( ) The Saltonstall-Kennedy Grant Program: Fisheries Research and Development. (F/TS)

( ) The Saltonstall-Kennedy Grant Program: Fisheries Research and Development -- Annotated Bibliography. (F/TS)

( ) USDC Approved List of Fish Establishments and Products -- Semi-Annual Report. (National Seafood Inspection Laboratory, Pascagoula, MS.)

Aquaculture and Capture Fisheries: Impacts in U.S. Seafood Markets. (NTIS No. PB-88-204185/GBA)

PUBLICATIONS

Developments of Value Added, Margin and Expenditures for Marine Fishery Products. (NTIS No. PB-89-125108)

Marine Mammal Strandings in the United States: Proceedings of the Second Marine Mammal Stranding Workshop, 1987. 1991. Reynolds, John E., III and Daniel K. Odell, (editors). (NOAA-TR-NMFS-98). 157 p. (F/PR)

Protecting Marine Mammals: Look from a Distance... but Don't Touch, Feed or Harm in the Wild. Prepared by the Texas Sea Grant Program for the Office of Protected Resources, NMFS, 1992. 6 p. (F/PR)

Recovery Plan for the Humpback (*Megaptera novaeangliae*). Prepared by the Humpback Whale Recovery Team for the National Marine Fisheries Service, 1991. 1992. Silver Spring, Maryland. 105 p. (F/PR)

Recovery Plan for the Kemp's Ridley Sea Turtle (*Lepidochelys kempii*). Prepared by the Kemp's Ridley Recovery Team for the U.S. Fish and Wildlife Service and NMFS, 1992. Washington, DC. (F/PR)

Recovery Plan for Leatherback Turtles in the U.S. Caribbean, Atlantic, and Gulf of Mexico. National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1992. Washington, D.C. (F/PR)

Recovery Plan for the Northern Right Whale (*Eubalaena glacialis*). Prepared by the Right Whale Recovery Team for the National Marine Fisheries Service, 1991. 1992. Silver Spring, Maryland. 86 p. (F/PR)

Recovery Plan for U.S. Population of Atlantic Green Turtle. National Marine Fisheries Service, and Fish and Wildlife Service. 1991. Washington, D.C. (F/PR)

Recovery Plan for U.S. Population of Loggerhead Turtle (*Caretta caretta*). Prepared by the Loggerhead/Green Turtle Recovery Team for the U.S. Fish and Wildlife Service and NMFS. 1992. Washington, DC. (F/PR)

Recovery Plan for the Steller Sea Lion (*Eumetopias jubatus*). Prepared by the Steller Sea Lion Recovery Team for the National Marine Fisheries Service. 1992. Silver Spring, Maryland. 92 p. (F/PR)

Striped Bass Research Study Report for 1993. National Marine Fisheries Service and U.S. Fish and Wildlife Service, 1995. Silver Spring, Maryland. 34 p. (F/CM)

COMMERCIAL FISHERIES:

Fisheries of the United States is a preliminary report with historical comparisons on the Nation's fishing, fish processing, and foreign trade in fishery products. The following reports are available through NTIS.

Year	Accession No.
1966	COM-75-10662
1967	COM-75-10663
1968	COM-75-10664
1969	COM-75-10665
1970	COM-71-50081
1971	COM-75-10666
1972	COM-73-50644
1973	COM-74-50546
1974	COM-75-10862
1975	PB-253966
1976	PB-268662
1977	PB-282741
1978	PB-297083
1979	PB-80-201593
1980	PB-81-241648
1981	PB-82-215542
1982	PB-83-216473
1983	PB-84-195148
1984	PB-86-144953
1985	PB-87-143145
1986	PB-88-164132
1987	PB-88-215173
1988	PB-89-216485
1989	PB-91-129-320
1990	PB-92-174523/AS
1991	PB-93-204536/AS
1992	PB-94-156387
1993	PB-95-219192

Fisheries Statistics of the United States (Statistical Digest) is a final report on the Nation's commercial fisheries showing more detail than *Fisheries of the United States*.

Year	Accession No.
1939	COM-75-11265
1940	COM-75-11266
1941	COM-75-11267
1942	COM-75-11268
1943	COM-75-11269
1944	COM-75-11270
1945	COM-75-11271
1946	COM-75-11272
1947	COM-75-11273
1948	COM-75-11274
1949	COM-75-11275
1950	COM-75-11056

Year	Accession No.
1951	COM-75-11053
1952	COM-75-11054
1953	COM-75-11055
1954	COM-75-11057
1955	COM-75-11058
1956	COM-75-11059
1957	COM-75-11060
1958	COM-75-11061
1959	COM-75-11062
1960	COM-75-11063
1961	COM-75-11064
1962	COM-75-11065
1963	COM-75-11066
1964	COM-75-11067
1965	COM-75-11068
1966	PB-246429
1967	PB-246430
1968	COM-72-50249
1969	COM-75-10887
1970	COM-75-10643
1971	COM-74-51227
1972	COM-75-11430
1973	PB-262058
1974	PB-277796
1975	PB-300625
1976	PB-81-163438
1977	PB-84-192038
1984	PB-92-214972
1985	PB-92-222280
1986	PB-92-228196
1987	PB-92-228055
1988	PB-92-222272
1989	PB-92-222264
1990	PB-92-222256
1991	PB-92-221803
1992	PB-95-219499
1993	PB-95-219481
1994	PB-95-219507

HISTORICAL REPORTS

Historical Catch Statistics is a series of publications reporting catch of certain species in the United States for historical purposes. The following reports are available through NTIS:

Atlantic and Gulf Coast States, 1879 - 1989. Current Fisheries Statistics No. 9010 - Historical Series Nos. 5-9 Revised. Report covers total landings for major species, by state and by region. (NTIS No. PB-93-174266)

Atlantic and Gulf Coast States, 1950 - 1991. Current Fisheries Statistics No. 9210 - Historical Series No. 10-Revised. Report covers landings and value of major species, by Region. (NTIS No. PB-93-174274)

IMPORTS AND EXPORTS OF FISHERY PRODUCTS, Annual Summary

Year	Accession No.
1982	PB-92-218635
1983	PB-92-218643

MARINE RECREATIONAL FISHING

1970 Salt-Water Angling Survey, PB-265416.

Determination of the Number of Commercial and Non-Commercial Recreational Boats in the United States, Their Use, and Selected Characteristics, COM-74-11186.

Participation in Marine Fishing:

Northeastern United States, 1973-74, COM-75-10655.
Southeastern United States, 1974, PB-273160.

MARINE RECREATIONAL FISHERY STATISTICS SURVEY:

Atlantic and Gulf Coasts:

1979-80	PB-84-199652
1979 (Revised)-1980	PB-89-102552
1981-1982	PB-89-102560
1983-1984	PB-89-102628
1985	PB-89-102669
1986	PB-89-102701
1987-1989	PB-92-174820
1990-1991	(F/RE 1)

Pacific Coast:

1981-1982	PB-89-102925/AS
1983-1984	PB-89-102933/AS
1985	PB-89-102941/AS
1986	PB-89-102958/AS
1987-1989	(F/RE 1)

PROCESSED FISHERY PRODUCTS -- Annual Summary

1979	PB-89-215248/AS	1981	PB-89-215263/AS
1980	PB-89-215255/AS	1982	PB-89-215289/AS

1883 PB-89-215271/AS 1986 PB-89-215313/AS
1984 PB-89-215297/AS 1987 PB-92-172956
1985 PB-89-215305/AS 1988 PB-92-204528/AS

STATE LANDINGS

Maine: 1946-76, PB-271-296; 1977-79, PB-128258.

Massachusetts: 1943-76, PB-275866; 1977-79, PB-81-143182.

Rhode Island: 1954-77; PB-287627; 1978-79, PB-81-157158.

New York: 1954-76, PB-275449; 1977-79, PB-81-134546.

New Jersey: 1952-76, PB-275696; 1977-79, PB-81-159048

Maryland: 1960-76, PB-300636; 1977-79, PB-81-159003.

Virginia: 1960-76, PB-300637; 1977-79, PB-82-151960.

North Carolina: 1955-76, PB-288928; 1977-79, PB-82-151978.

South Carolina: 1957-76, PB-289405; 1977-79, PB-81-163198.

Georgia: 1956-76, PB-289814; 1977-79, PB-81-157166.

Florida: 1950-76, PB-292068.

Alabama: 1950-77, PB-80-121262; 1978, PB-82-168071.

Mississippi: 1951-77, PB-80-121270; 1978, PB-82-169079.

Louisiana: 1957-77, PB-300583; 1978, PB-82-168063.

Texas: 1949-77, PB-300603; 1978-79, PB-82-169004.

Shrimp Landings: 1956-76, PB-80-124696; 1978-79, PB-82-156183.

Gulf Coast Shrimp Data: 1958-76, PB-80-126899; 1978-79, PB-82-170390.

INTERNATIONAL REPORTS

In 1993, the Office of International Affairs, NMFS, prepared a six-volume study which analyzes past, present, and future trends in the world's distant-water fishing fleets. The subjects covered include catch, fishing areas, vessel construction and imports, flag-of-convenience registration, international agreements, and joint ventures. These studies can be purchased through the National Technical Information Service (NTIS) using the following titles and reference numbers.

World fishing Fleets: An analysis of Distance-water Fleet Operations. Complete six-volume set. (NTIS No. PB-94-140811/GBA).

Volume I: Executive Summary. Overview of world distance-water fishing fleets and summarizes regional trends. 54 p. (NTIS No. PB-94-140829/GBA).

Volume II: Africa. Compilation of information by U.S. Embassies on fleet operations in selected African countries. 51 p. (NTIS No. PB-94-140837/GBA).

Volume III: Asia. Overview of Asian fleets and individual studies of China, Japan, Republic of Korea, and Taiwan fleets. 144 p. (NTIS No. PB-94-140845/GBA).

Volume IV: Latin America. Overview of Caribbean Central America, South America, and individual reports on the Latin American fleets engaged in distant-water fisheries. 513 p. (NTIS No. PB-94-140852/GBA).

Volume V: Baltic States, Commonwealth of Independent States, and Eastern Europe. Overview of each of these three blocs and 10 individual country studies including Russia, Poland, and Ukraine. 286 p. (NTIS No. PB-94-140860/GBA).

Volume VI: Western Europe and Canada. Overview sections for Europe Community and non-EC countries and individual country studies for all West European fishing nations and Canada. 362 p. (NTIS No. PB-94-140878/GBA).

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World Salmon Culture (NTIS No. PB-93-134617/GBA).

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NATIONAL MARINE FISHERIES SERVICE
FISHERIES MARKET NEWS

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DOCUMENT NUMBER	REPORT	UPDATE SCHEDULE
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2	Commonly Used Abbreviations	
3	Update Schedule	
5	Trade Leads	Thursday
	NEW YORK: Leo Gaudin (212) 620-3405	
21	Fulton Market Fresh Prices	Daily
22	New York Frozen Prices	Friday
	BOSTON: Don Jerpi (617) 223-8012	
31	New England Auction	Daily
32	Boston Frozen Market Prices	Wednesday
33	New England Auction Summary	Friday
34	New England Cold Storage	Friday
	NEW ORLEANS: Maggie Bourgeois (504) 589-6153	
41	Gulf Shrimp Landings by Area and Species	Monday
42	Ex-Vessel Gulf Fresh Shrimp Prices and Landings	Monday
43	Gulf Finfish and Shellfish Landings	Monday
44	Fish Meal and Oil Prices	Thursday
45	Shrimp Statistics	Monthly
	LONG BEACH: Patricia Donley (310) 980-4033	
51	Imports of Shrimp from Mexico for Arizona and So. California	Wednesday
52	San Pedro, CA Market Prices	Friday
53	Canned Tuna Import Quota Update	Friday
54	Hawaii Imports	Monthly
	SEATTLE: John Bishop (206) 526-6119	
61	Wholesale Canned Salmon Prices (West Coast)	Tuesday
62	Wholesale Shellfish Prices (West Coast)	Tuesday
63	Preliminary Oregon Landings	Tuesday
	NMFS HEADQUARTERS: William Uttley (301) 713-2328	
71	National Cold Storage	Monthly
72	West Coast Cold Storage	Monthly
73	Foreign Trade of Selected Products	Monthly
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SEA GRANT MARINE ADVISORY SERVICE

The Office of Sea Grant is a major program element of the National Oceanic and Atmospheric Administration. The National Sea Grant College Program is funded jointly by the Federal Government and colleges or universities. Sea Grant's Marine Advisory Service offers a broad range of information to recreational and commercial fishermen, fish processors, and others concerning the Nation's fisheries. The following program leaders, listed alphabetically by state, can provide information on Sea Grant activities:

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The National Marine Fisheries Service conducts activities designed to improve the competitiveness of the U.S. fishing industry in domestic and world markets and to enhance the safety and quality of U.S. seafood products. Programs include: (1) financial assistance in the form of loan guarantees, insurance programs, a capital construction fund, and research and development grants; (2) administration of fishery product inspection and grading, and product standard programs; (3) research and development on product safety, quality, and use; and (4) advice to the U.S. Department of Agriculture on the use of its Surplus Commodity Program and export financing programs for fishery products.

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ANADROMOUS SPECIES. These are species of fish that mature in the ocean, and then ascend streams to spawn in freshwater. In the Magnuson Act, these species include, but are not limited to, Atlantic and Pacific salmons, steelhead trout, and striped bass. See 42 FR 60682, Nov. 28, 1977.

ANALOG PRODUCTS. These include imitation and simulated crab, lobster, shrimp, scallops, and other fish and shellfish products fabricated from processed fish meat (such as surimi).

AQUACULTURE. The farming of aquatic organisms in marine, brackish or freshwater. Farming implies private or corporate ownership of the organism and enhancement of production by stocking, feeding, providing protection from predators or other management measures. Aquaculture production is reported as the weight and value of cultured organisms at their point of final sale.

BATTER-COATED FISH PRODUCTS. Sticks and portions or other forms of fish or shellfish coated with a batter containing a leavening agent and mixture of cereal products, flavoring, and other ingredients, and partially cooked in hot oil a short time to expand and set the batter.

BOAT, OTHER. Commercial fishing craft not powered by a motor, e.g., rowboat or sailboat, having a capacity of less than 5 net tons. See motorboat.

BREADED FISH PRODUCTS. Sticks and portions or other forms of fish or shellfish coated with a non-leavened mixture containing cereal products, flavorings, and other ingredients. Breaded products are sold raw or partially cooked.

BREADED SHRIMP. Peeled shrimp coated with breading. The product may be identified as fantail (butterfly) and round, with or without tail fins and last shell segment; also known as portions, sticks, steaks, etc., when prepared from a composite unit of two or more shrimp pieces whole shrimp or a combination of both without fins or shells.

BUTTERFLY FILLET. Two skin-on fillets of a fish joined together by the belly skin. See fillets.

CANNED FISHERY PRODUCTS. Fish, shellfish, or other aquatic animals packed in cans, or other containers, which are hermetically sealed and heat-sterilized. Canned fishery products may include milk, vegetables, or other products. Most, but not all, canned fishery products can be stored at room temperature for an indefinite time without spoiling.

COMMERCIAL FISHERMAN. An individual who derives income from catching and selling living resources taken from inland or marine waters.

CONSUMPTION OF EDIBLE FISHERY PRODUCTS. Estimated amount of commercially landed fish, shellfish, and other aquatic animals consumed by the civilian population of the United States. Estimates are on an edible-weight basis and have been adjusted for beginning and ending inventories of edible fishery products. Consumption includes U.S. production of fishery products from both domestically caught and imported fish, shellfish, other edible aquatic plants, animals, and imported products and excludes exports and purchases by the U.S. Armed Forces.

CONTINENTAL SHELF FISHERY RESOURCES. These are living organisms of any sedentary species that at the harvestable stage are either (a) immobile on or under the seabed, (b) unable to move except in instant physical contact with the seabed or subsoil of the continental shelf. The Magnuson Act now lists them as certain abalones, surf clam and ocean quahog, queen conch, Atlantic deep-sea red crab, dungeness crab, stone crab, king crabs, snow (tanner) crabs, American lobster, certain corals, and sponges.

CURED FISHERY PRODUCTS. Products preserved by drying, pickling, salting, or smoking; not including canned, frozen, irradiated, or pasteurized products. Dried products are cured by sun or air-drying; pickled or salted products are those products preserved by applying salt, or by pickling (immersing in brine or in a vinegar or other preservative solution); smoked products are cured with smoke or a combination of smoking and drying or salting.

CUSTOMS TERRITORY. Unless otherwise noted, the foreign trade information presented is based on Bureau of the Census data for the Customs territory of the United States. The territory includes the 50 States, District of Columbia, Puerto Rico, and the U.S. Virgin Islands.

DEFLATED VALUE. The deflated values referred to in this document are calculated with the Gross Domestic Products Implicit Price Deflator. The base year for this index is 1987.

EDIBLE WEIGHT. The weight of a seafood item exclusive of bones, offal, etc.

EEZ. See U.S. Exclusive Economic Zone.

EUROPEAN UNION. Belgium and Luxembourg, Denmark, Federal Republic of Germany, Greece, France, Ireland, Italy, Netherlands, Portugal, Spain, and United Kingdom. This was formerly known as European Economic Community (EEC).

EXPORT VALUE. The value reported is generally equivalent to f.a.s. (free alongside ship) value at the U.S. port of export, based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. The value excludes the cost of loading, freight, insurance and other charges or transportation cost beyond the port of exportation.

EXPORT WEIGHT. The weight of individual products as exported, i.e., fillets, steaks, whole, breaded. etc. Includes both domestic and foreign re-exports data.

EXVESSEL PRICE. Price received by the harvester for fish, shellfish, and other aquatic plants and animals.

FISH BLOCKS. Regular fish blocks are frozen blocks or slabs of fillets or pieces of fillets cut or sliced from fish. Minced fish blocks are frozen blocks or slabs of minced flesh produced by a meat and bone separating machine.

FISH FILLETS. The sides of fish that are either skinned or have the skin on, cut lengthwise from the backbone. Most types of fillets are boneless or virtually boneless; some may be labeled as "boneless fillets."

FISH MEAL. A high-protein animal feed supplement made by cooking, pressing, drying, and grinding fish or shellfish.

FISH OIL. An oil extracted from body (body oil) or liver (liver oil) of fish and marine mammals; mostly a byproduct of fish meal production.

FISH PORTION. A piece of fish flesh that is generally of uniform size with thickness of 3/8 of an inch or more and differs from a fish stick in being wider or of a different shape. A fish portion is generally cut from a fish block.

FISH SOLUBLES. A water-soluble protein byproduct of fish meal production. Fish solubles are generally condensed to 50 percent solids and marketed as "condensed fish solubles."

FISH STEAK. A cross-section slice cut from a large dressed fish. A steak is usually about 3/4 of an inch thick.

FISH STICK. An elongated piece of breaded fish flesh weighing not less than 3/4 of an ounce and not more than 1-1/2 ounces with the largest dimension at least three times that of the next largest dimension. A fish stick is generally cut from a fish block.

FISHERY MANAGEMENT PLAN (FMP). A plan developed by a Regional Fishery Management Council, or the Secretary of Commerce under certain circumstances, to manage a fishery resource in the U.S. EEZ pursuant to the MFCMA (Magnuson Act).

FISHING CRAFT, COMMERCIAL. Boats and vessels engaged in capturing fish, shellfish, and other aquatic plants and animals for sale.

FULL-TIME COMMERCIAL FISHERMAN. An individual who receives more than 50 percent of their annual income from commercial fishing activities, including port activity, such as vessel repair and re-rigging.

GROSS REGISTERED TONNAGE (GRT). The gross registered tonnage of a vessel is the internal cubic capacity of all space in and on the vessel that is permanently enclosed, with the exception of certain permissible exemptions. GRT is expressed in tons of 100 cubic feet.

GROUNDFISH. Broadly, fish that are caught on or near the sea floor. The term includes a wide variety of bottomfishes, rockfishes, and flatfishes. However, NMFS sometimes uses the term in a narrower sense. In "Fisheries of the United States," the term applies to the following species--Atlantic and Pacific: cod, hake, ocean perch, and pollock; cusk; and haddock.

IMPORT VALUE. Value of imports as appraised by the U.S. Customs Service according to the Tariff Act of 1930, as amended. It may be based on foreign market value, constructed value, American selling price, etc. It generally represents a value in a foreign country, and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise to the United States.

IMPORT WEIGHT. The weights of individual products as received, i.e., fillets, steaks, whole, headed, etc.

INDUSTRIAL FISHERY PRODUCTS. Items processed from fish, shellfish, or other aquatic plants and animals that are not consumed directly by humans. These items contain products from seaweeds, fish meal, fish oils, fish solubles, pearl essence, shark and other aquatic animal skins, and shells.

INTERNAL WATER PROCESSING (IWPs). An operation in which a foreign vessel is authorized by the governor of a state to receive and process fish in the internal waters of a state. The Magnuson Act refers to internal waters as all waters within the boundaries of a state except those seaward of the baseline from which the territorial sea is measured.

JOINT VENTURE. An operation authorized under the MFCMA (Magnuson Act) in which a foreign vessel is authorized to receive fish from U.S. fishermen in the U.S. EEZ. The fish received from the U.S. vessel are part of the U.S. harvest.

LANDINGS, COMMERCIAL. Quantities of fish, shellfish, and other aquatic plants and animals brought ashore and sold. Landings of fish may be in terms of round (live) weight or dressed weight. Landings of crustaceans are generally on a live-weight basis except for shrimp which may be on a heads-on or heads-off basis. Mollusks are generally landed with the shell on, but for some species only the meats are landed, such as sea scallops. Data for all mollusks are published on a meat-weight basis.

MAGNUSON FISHERY CONSERVATION AND MANAGEMENT ACT, Public Law 94-265, as amended. The Magnuson Act provides a national program for the conservation and management of fisheries to allow for an optimum yield (OY) on a continuing basis and to realize the full potential of the Nation's fishery resources. It established the U.S. Exclusive Economics Zone (EEZ) (formerly the FCZ - Fishery Conservation Zone) and a means to control foreign and certain domestic fisheries through PMPs and FMPs. Within the U.S. EEZ, the United States has exclusive management authority over fish (meaning finfish, mollusks, crustaceans, and all other forms of marine animal and plant life other than marine mammals, birds, and highly migratory species of tuna). The Magnuson Act provides further exclusive management authority beyond the U.S. EEZ for all continental shelf fishery resources and all anadromous species throughout the migratory range of each such species, except during the time they are found within any foreign nation's territorial sea or fishery conservation zone (or the equivalent), to the extent that such a sea or zone is recognized by the United States.

MARINE RECREATIONAL FISHING. Fishing for pleasure, amusement, relaxation, or home consumption.

MARINE RECREATIONAL CATCH. Quantities of finfish, shellfish and other living aquatic organisms caught, but not necessarily brought ashore, by marine recreational fisherman.

MARINE RECREATIONAL FISHERMEN. Those people who fish in marine waters primarily for recreational purposes. Their catch is primarily for home consumption, although occasionally a part or all of their catch may be sold and enter commercial channels. This definition is used in the NMFS Marine Recreational Fishery Statistics Survey, and is not intended to represent a NMFS policy on the sale of angler-caught fish.

MAXIMUM SUSTAINABLE YIELD (MSY). MSY from a fishery is the largest annual catch or yield in terms of weight of fish caught by both commercial and recreational fishermen that can be taken continuously from a stock under existing environmental conditions. A determination of MSY, which should be an estimate based upon the best scientific information available, is a biological measure necessary in the development of optimum yield.

METRIC TONS. A measure of weight equal to 1,000 kilograms, 0.984 long tons, 1.1023 short tons, or 2,204.6 pounds.

MOTORBOAT. A motor-driven commercial fishing craft having a capacity of less than 5 net tons, or not officially documented by the Coast Guard. See "boat, other."

NORTHWEST ATLANTIC FISHERIES ORGANIZATION (NAFO). This convention, which entered into force January 1, 1979, replaces ICNAF. NAFO provides a forum for continued multilateral scientific research and investigation of fishery resources that occur beyond the limits of coastal nations' fishery jurisdiction in the northwest Atlantic, and will ensure consistency between NAFO management measures in this area and those adopted by the coastal nations within the limits of their fishery jurisdiction.

OPTIMUM YIELD (OY). In the MFCMA (Magnuson Act), OY with respect to the yield from a fishery, is the amount of fish that (1) will provide the greatest overall benefit to the United States, with particular reference

GLOSSARY

to food production and recreational opportunities; and (2) is prescribed as such on the basis of maximum sustainable yield from such fishery, as modified by any relevant ecological, economic, or social factors.

PACKAGED FISH. A term used in NMFS publications prior to 1972 to designate fresh or frozen raw fish fillets and steaks.

PART-TIME COMMERCIAL FISHERMAN. An individual who receives less than 50 percent of their annual income from commercial fishing activities.

PER CAPITA CONSUMPTION. Consumption of edible fishery products in the United States divided by the total civilian population. In calculating annual per capita consumption, estimates of the civilian resident population of the United States on July 1 of each year are used. These estimates are taken from current population reports, series P-25, published by the U.S. Bureau of the Census.

PER CAPITA USE. The use of all fishery products, both edible and nonedible, in the United States divided by the total population of the United States.

PRELIMINARY FISHERY MANAGEMENT PLAN (PMP). The Secretary of Commerce prepares a PMP whenever a foreign nation with which the United States has made a Governing International Fishery Agreement (GIFA) submits an application to fish in a fishery not managed by an FMP. A PMP is replaced by an FMP as soon as the latter is implemented. A PMP applies only to foreign fishing.

RE-EXPORTS. Re-exports are commodities which have entered the U.S. as imports and are subsequently exported in substantially the same condition as when originally imported.

RETAIL PRICE. The price of fish and shellfish sold to the final consumer by food stores and other retail outlets.

ROUND (LIVE) WEIGHT. The weight of fish, shellfish, or other aquatic plants and animals as taken from the water; the complete or full weight as caught. The tables on world catch found in this publication include, in the case of mollusks, the weight of both the shells and the meats, whereas the tables on U.S. landings include only the weight of the meats.

SURIMI. Minced fish meat (usually Alaska pollock) which has been washed to remove fat and undesirable matters (such as blood, pigments, and odorous substances), and mixed with cryoprotectants, such as sugar and/or sorbitol, for a good frozen shelf life.

TOTAL ALLOWABLE LEVEL OF FOREIGN FISHING (TALFF). The TALFF, if any, with respect to any fishery subject to the exclusive fishery management authority of the United States, is that portion of the optimum yield of such fishery which will not be harvested by vessels of the United States, as determined by provisions of the MFCMA.

U.S. EXCLUSIVE ECONOMIC ZONE (EEZ). The MFCMA (Magnuson Act) defines this zone as contiguous to the territorial sea of the United States and extending seaward 200 nautical miles measured from the baseline from which the territorial sea is measured. This was formerly referred to as the FCZ (Fishery Conservation Zone).

U.S.-FLAG VESSEL LANDINGS. Includes landings by all U.S. fishing vessels regardless of where landed as opposed to landings at ports in the 50 United States. These include landings at foreign ports, U.S. territories, and foreign vessels in the U.S. FCZ under joint venture agreements. U.S. law prohibits vessels constructed or registered in foreign countries to land fish catches at U.S. ports.

U.S. TERRITORIAL SEA. A zone extending 3 nautical miles from shore for all states except Texas and the Gulf Coast of Florida where the seaward boundary is 3 marine leagues (9 nautical miles).

USE OF FISHERY PRODUCTS. Estimated disappearance of the total supply of fishery products, both edible and nonedible, on a round-weight basis without considering beginning or ending stocks, exports, military purchases, or shipments to U.S. territories.

VESSEL. A commercial fishing craft having a capacity of 5 net tons or more. These craft are either enrolled or documented by the U.S. Coast Guard and have an official number assigned by that agency.

WHOLESALE FISH AND SHELLFISH PRICES. Those prices received at principal fishery markets by primary wholesalers (processors, importers, and brokers) for customary quantities, free on board (f.o.b.) warehouse.

U.S. COMMERCIAL LANDINGS BY REGION

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Federal Inspection Marks for Fishery Products

NATIONAL FISHERY PRODUCTS INSPECTION PROGRAM. The U.S. Department of Commerce (USDC), National Marine Fisheries Service, a part of the National Oceanic and Atmospheric Administration, conducts a voluntary seafood inspection program on a fee-for-service basis. A HACCP-based service is also available. Services provided by the program include vessel and plant sanitation, product inspection and grading, label reviews, product specification reviews, laboratory analyses, training, education and information. Inspection and certification services are available nationwide and in U.S. territories for all interested parties. Consultative services are provided in foreign countries. Inspection and certification services are also provided for imported and exported products.

USERS OF INSPECTION SERVICES. The users of the voluntary seafood inspection service include vessel owners, processors, distributors, brokers, retailers, food service operators, exporters, importers, and those who have a financial interest in buying and selling seafood products. The military requires USDC inspected products be purchased for its troop feeding program. The U.S. Department of Agriculture also recommends that USDC inspected products be purchased for its food feeding programs. The **USDC APPROVED LIST OF FISH ESTABLISHMENTS AND PRODUCTS**, published bi-annually, provides a listing of products and participants who contract with USDC.

USDC INSPECTION MARKS. The official marks authorized for use on products in the USDC inspection program are available from any of the inspection offices. These marks designate the level and the type of inspection performed by the federal inspector. The marks can be used in advertising and labeling under the guidelines provided by the Inspection Services Division and in accordance with federal and state regulations regarding advertising and labeling. Products bearing the USDC official marks have beencertified as being safe, wholesome, and properly labeled.

"US GRADE A" MARK. The U.S. GRADE A mark signifies that a product has been processed under federal inspection in an approved facility and meets the established level of quality of an existing U.S. grade standard. The U.S. Grade A mark indicates that the product is of high quality, uniform in size, practically free from blemishes and defects, in excellent condition and possessing good flavor and odor.

"PROCESSED UNDER FEDERAL INSPECTION" MARK. The PUFI mark or statement signifies that the product has been inspected in an approved facility and was found to be safe, wholesome and properly labeled according to approved specifications or criteria. The language within the PUFI mark has been amended to "Processed Under Federal Inspection" to reflect actual inspection procedures and the regulatory requirements for use of the mark.

"LOT INSPECTED" MARKS. Products inspected on a lot inspection basis, whether in an approved facility or in a warehouse, cold storage facility or dock, by a federal inspector, can bear an official lot inspection mark. The OFFICIALLY SAMPLED mark signifies that the products were officially sampled for wholesomeness, condition and other factors as requested. Additionally, the ACCEPTED PER SPECIFICATIONS mark identifies products which were officially sampled and inspected to conform to approved specifications or criteria. To reduce the confusion about the meaning of these marks, as well as, the use of private label logos, a new Lot Inspected mark was created to replace the existing "Officially Sampled" and "Accepted Per Specifications" marks currently used on retail labels. The use of this mark will meet the needs of both industry and consumers by coveying that the products bearing this mark have been examined by the Federal NMFS Program.

"RETAIL" MARK. In response to requests made by industry, a new mark has been created for retail or food service establishments. Participants qualify for use of the "Retail Mark" by receiving the NMFS HACCP-based service or being under contract for sanitation services and associated product evaluation. Usage of such a mark will give the retail industry the opportunity to advertise on their banners, logos, or menus that their facility has been recognized by NMFS for proper sanitation and handling of fishery products.

USDC HACCP-BASED SERVICE. The USDC HACCP-based service is available to all interested parties on a fee-for-service basis. Label approval, record keeping and analytical testing are program requirements. An industry NMFS certified employee trained in HACCP principles is also required for each facility/site in the program. Compliance ratings determine frequency of official visits. Costs are consistent with current program rates. Benefits to participants include increased controls through a more scientific approach, use of established marks, increased efficiency of federal inspection personnel, and enhanced consumer confidence. NMFS has made available a HACCP mark or "banner" to be used as an attachment to existing inspection and grade marks to distinguish that the product was produced under the HACCP-based program.

FOR FURTHER INFORMATION:

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National Marine Fisheries Service
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Silver Spring, MD 20910
(301) 713-2355 (FAX: 713-1081)

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